Modern Plumbing

Sears, Roebuck and Co., Chicago – Philadelphia.

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WE GUARANTEE

that each and every article in this catalog is exactly as described and illustrated.

We guarantee that any article purchased from us will satisfy you perfectly; that it will give the service you have a right to expect; that it represents full value for the price you pay.

If for any reason whatever you are dissatisfied with any article purchased from us, we expect you to return it to us at our expense.

We will then exchange it for exactly what you want, or will return your money, including any transportation charges you have paid.

Sears, Roebuck and Co.

You Can Easily Have These Modern Sanitary Conveniences in Your Home

An Unusual Opportunity.

We offer you an opportunity to equip your home with a Modern Pneumatic Water Supply System, or a complete Modern Plumbing System, at a very reasonable price.

By looking after the installation of the material yourself you can make a big saving in the labor cost as well as in the cost of the material. It will pay you well to do this as you will readily see if you just get a few estimates on the cost of the material installed and compare them with the cost of our material, plus an allowance for your own time or the time of some handy man whom you can get to do the work for you at very reasonable charge.

Strictly First Quality.

All our plumbing goods are strictly first quality. We do not sell seconds or "B" grade material. You can place your order with us feeling confident that the material you receive will be equal to the best on the market.

Our cast iron white porcelain enameled bathroom fixtures and kitchen sinks are of exceptionally high grade manufacture, heavily coated with genuine porcelain enamel of pure white color and guaranteed not to chip with ordinary wear. These beautiful snow white sanitary fixtures will be a source of pride in your home.

Reasonable in Cost.

No need to speak of the convenience, comfort and healthfulness of modern plumbing in your home, with running hot and cold water ready at the mere turn of the faucet. But what of the cost, you say. As you go through the following pages it will be evident that our prices bring the cost well within your means. Although the quality of our plumbing fixtures is of the highest, our prices are exceptionally low.

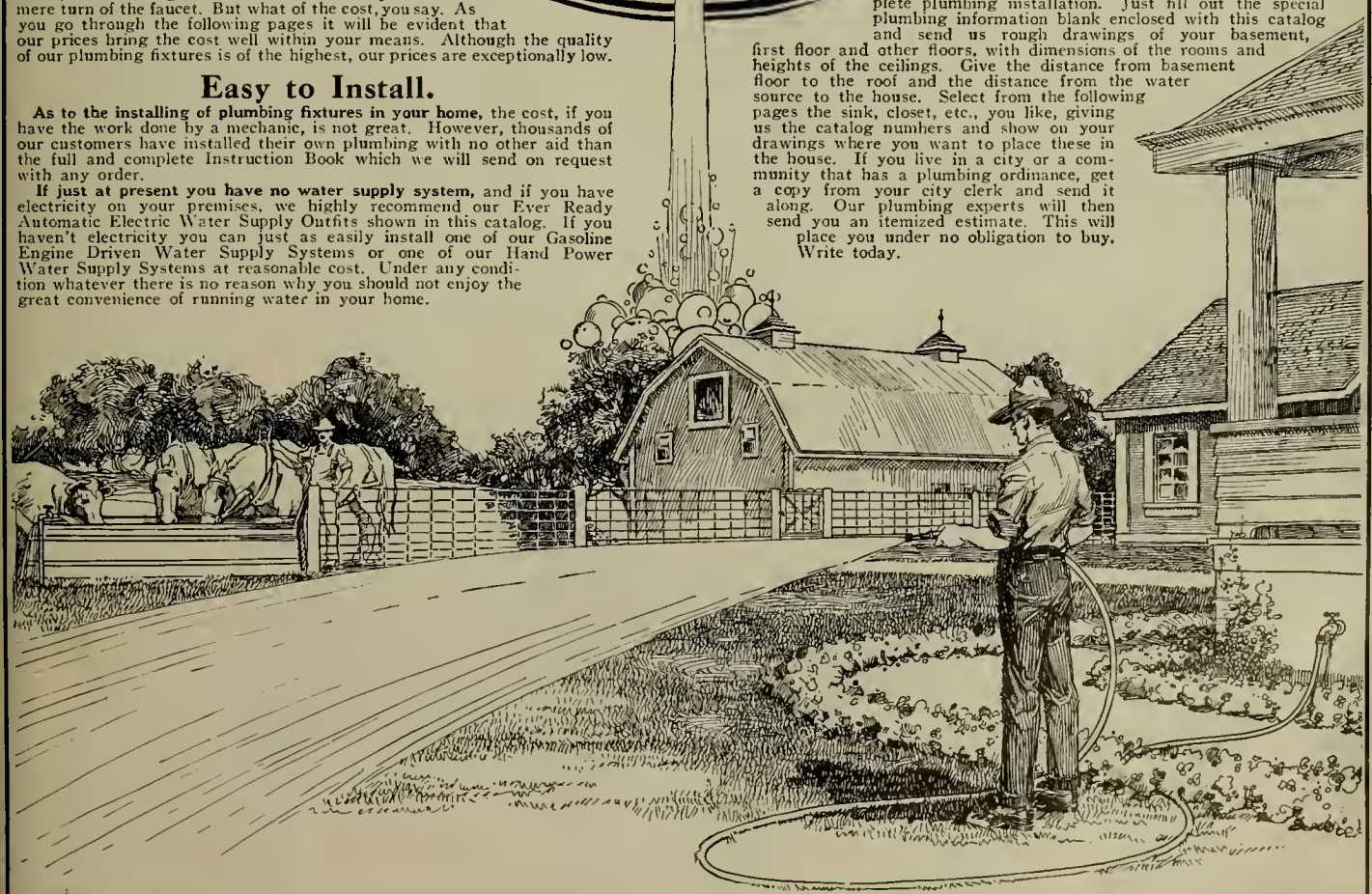
Easy to Install.

As to the installing of plumbing fixtures in your home, the cost, if you have the work done by a mechanic, is not great. However, thousands of our customers have installed their own plumbing with no other aid than the full and complete Instruction Book which we will send on request with any order.

If just at present you have no water supply system, and if you have electricity on your premises, we highly recommend our Ever Ready Automatic Electric Water Supply Outfits shown in this catalog. If you haven't electricity you can just as easily install one of our Gasoline Engine Driven Water Supply Systems or one of our Hand Power Water Supply Systems at reasonable cost. Under any condition whatever there is no reason why you should not enjoy the great convenience of running water in your home.

Let Us Estimate for You.

We will gladly give you an estimate on a complete plumbing installation. Just fill out the special plumbing information blank enclosed with this catalog and send us rough drawings of your basement, first floor and other floors, with dimensions of the rooms and heights of the ceilings. Give the distance from basement floor to the roof and the distance from the water source to the house. Select from the following pages the sink, closet, etc., you like, giving us the catalog numbers and show on your drawings where you want to place these in the house. If you live in a city or a community that has a plumbing ordinance, get a copy from your city clerk and send it along. Our plumbing experts will then send you an itemized estimate. This will place you under no obligation to buy. Write today.



Ever Ready Water Supply Outfits

No Trudging Through the Rain and Snow Carrying Water From the Pump in the Yard

Every Outfit Guaranteed

All of our Pneumatic Water Supply Systems are guaranteed to give satisfactory service and to be fully up to representation in every way. All parts are carefully made, and these outfits will measure up to the highest standard in workmanship, finish and material. Tanks are all strongly made. Tanks furnished with our hand power and gasoline engine driven water supply systems are built with double riveted horizontal seams. The smaller tanks furnished with our Ever Ready Electric Water Supply Systems have welded seams. All tanks are carefully tested and guaranteed airtight. You can take all the time you want to give the outfit a fair trial, and if for any reason whatever you are not entirely satisfied with your purchase, you can return the outfit to us and your money will be cheerfully returned, with all the transportation charges you paid.

Easily Installed

Our Ever Ready Pneumatic Water Supply Systems are very easily installed. It does not require an experienced plumber or pipefitter to connect up any of these outfits, nor does it require an experienced electrician to connect up our Ever Ready Automatic Electric Outfits. All you have to do is to connect two wires to your wiring system, connect up the pipe and it is ready for use. Full instructions for installing and operating are furnished with all of these various systems, and any man who can cut and thread ordinary iron pipe can easily install any of these outfits by following our simple plans and instructions.

Write for Our Estimate

If in doubt as to which outfit will best suit your purpose, fill out one of our special water supply information blanks enclosed with this catalog and return it to us for our special estimate. We will prepare a complete proposition for you on a modern outfit that we will guarantee to take care of your requirements, and you will find our prices very reasonable.

Why not act right now? Fill out the information blank and send it to us. We will make you an estimate on one of these modern outfits and you begin at once to enjoy the great conveniences of modern plumbing in your home.

Fresh, Pure, Running Water at the Turn of a Faucet

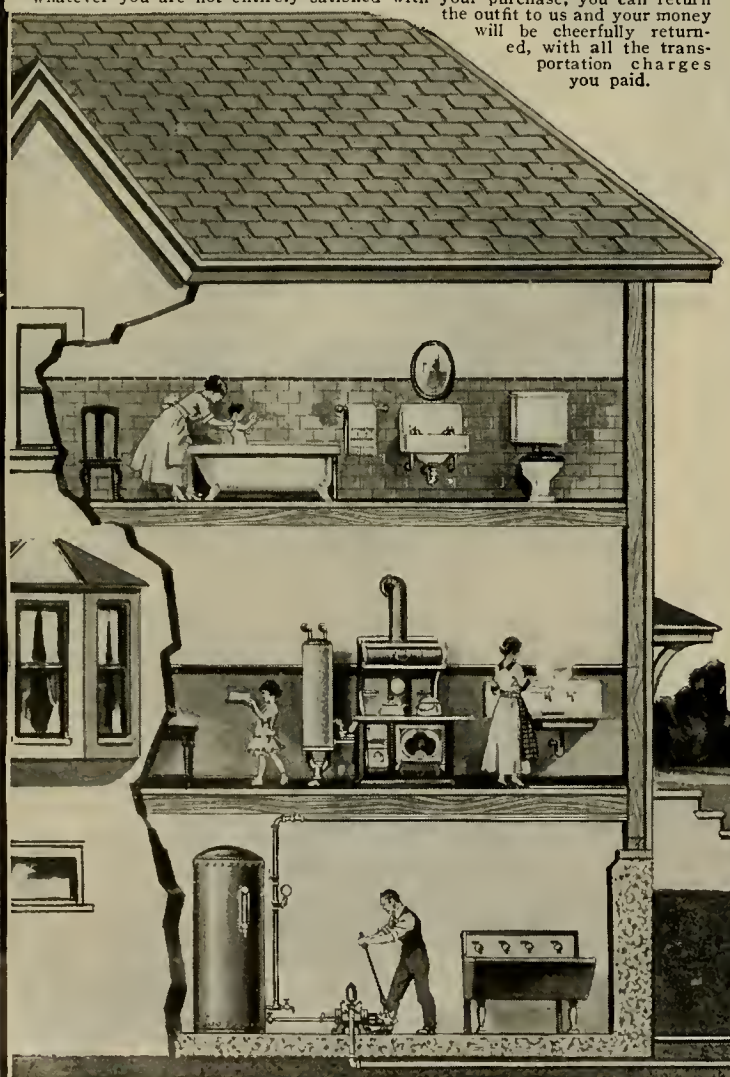
You will find our complete line of modern water supply systems fully illustrated and described on the following pages of this catalog.

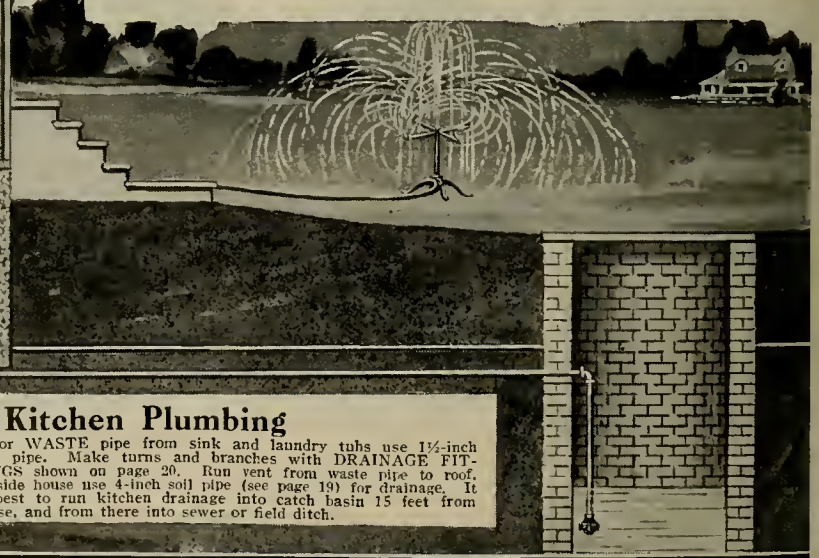
Why continue to carry water for the house, for the stock or the garden, trudging through the rain and snow, when you can have running water any place you want it on the farm for such a small investment?

Did you ever stop to think of the number of tons of water that are carried on the average farm in the course of a year where there is no Modern Water Supply System installed? Just stop a moment and figure the number of bucketfuls of water that you carry from the pump every day, and then figure what this amounts to in the way of hard labor in the course of a year. When this is reduced to actual figures, the result is really startling, and if those folks who continue to carry water day after day could realize how easy it is to eliminate all this unnecessary labor, we feel sure there would not be a farm home in the country without one of these Modern Water Supply Systems.

We Have Outfits for Every Requirement

You will find outfits of various types and sizes in this catalog to meet any ordinary requirements. We have Automatic Electric Water Supply Systems, Gasoline Engine Driven, Windmill Driven and Hand Power Outfits, all of which are fully illustrated and described in this catalog. The Hand Power Outfits and our Automatic Electric Water Supply Systems are used for pumping water from shallow wells or cisterns. For the farm home or town residence where electric current is available, the best outfit to install is one of our Automatic Electric Outfits. If electric current is not available, of course, our Gasoline Engine Driven Water Supply System or our Hand Power Pumping Outfits are especially recommended. For larger requirements, pumping water on large stock farms, etc., or from real deep wells, our Combination Windmill Driven or Gasoline Engine Driven Outfits are recommended.





How to Figure Pipe for Kitchen Plumbing

For SUPPLY pipe run ¾-inch pipe from pressure tank to sink, and to range boiler and return for hot water. Heat water by water front in kitchen range, by coils in furnace, or by one of our gas water heaters (see page 16). Run ¾-inch pipe from boiler to stove or heater and return. Run ½-inch pipe to laundry tubs for hot and cold water. Use iron pipe and fittings, listed on page 20.

For WASTE pipe from sink and laundry tubs use 1½-inch iron pipe. Make turns and branches with DRAINAGE FITTINGS shown on page 20. Run vent from waste pipe to roof. Outside house use 4-inch soil pipe (see page 19) for drainage. It is best to run kitchen drainage into catch basin 15 feet from house, and from there into sewer or field ditch.

Furnish Running Water on Your Place

Why Not Have This Great Convenience on the Farm?

President Cook, of the Mississippi Normal College, of Hattiesburg, Miss., contends that possibly **nine-tenths of the drudgery on the farm consists in carrying water from the source of supply to the point of application and in the disposition of the water after use.** He points out that a bucket of water contains two gallons, weighs about 20 pounds, and when handled six times the total weight lifted is 120 pounds. He estimates that the use of water in cooking, bathing, scrubbing and weekly washing will raise the lift per day easily to a ton, and that **this will "take the elasticity out of a woman's step, the bloom out of her cheek and the enjoyment out of her life."** He mentions that this daily lift can be eliminated "if the farmer can be brought to see that the farm is also the heir to modern invention."

President Cook is right! If those people now living on farms throughout the country where no modern plumbing fixtures or running water has been installed could fully appreciate the great comforts to be derived from these modern sanitary improvements there would be few farm homes, indeed, without these modern improvements.

How many people there are who would not think of being without a few luxuries, but are still without these modern sanitary conveniences on the farm! These luxuries are used perhaps only two or three days during the week, and during many weeks of the year some of them may not be used at all.

If you will stop to think a moment you will see that practically two-thirds of your lifetime is spent in your home. Certainly you should spare no effort to make it an ideal place in which to live.

The health, happiness and comfort of yourself and your entire family demand these modern conveniences, and they are easily within your reach.

As an Investment

There is not a single investment we know of that will add more to the health, happiness and comfort of yourself and your entire family than the installation of a modern plumbing system with running water in your home. Just think of the tons of water carried by your wife or children in the course of a year for ordinary household use.

Think of the many thousands of steps which could be saved and the great relief from drudgery for the women folks, if you had a modern sanitary sink with running hot and cold water in your kitchen and a set of laundry tubs in your basement.

What a tremendous amount of work you could save yourself by having a modern automatic electric or gasoline engine driven water supply system, such as listed on the following pages, in your home or on your farm. When tired out after coming in from the field, you could just open a faucet and fill the tank to water the stock, instead of having to pump water by hand for half an hour or more.

Then last but not least is the great benefit you would derive from a modern bathroom outfit in your home. On those hot, sultry days in Summer you could take a nice cool shower bath. That old outhouse with its contaminating swarms of flies, odors and germs would be done away with.

What a great comfort for the old folks, invalids, women and guests. No trudging through the deep snow in Winter, facing the blizzard in below zero weather, or going out on rainy and stormy days and dark nights. Summer or Winter it is a necessity. We do not know of a more necessary improvement you can make in your home.

There Is No Reason Why You Cannot Now Enjoy the Great Comfort and Convenience of Running Water and Modern Plumbing in Your Home.

This great improvement in your home should surely have your first and foremost consideration. Have luxuries? Yes. But of greatest importance comes these modern sanitary conveniences in your home. There surely is nothing of more vital importance to the health, happiness and comfort of all concerned.

Any handy man who can cut and thread ordinary iron pipe can easily install any of our complete plumbing or water supply systems by following our simple plans and instructions.

No wiping of joints or difficult lead work; just ordinary galvanized threaded iron pipe is used and it is all connected together with ordinary screw thread joints.

The Size of Outfit You Will Need.

To determine the size water supply system you will need to take care of your requirements, it is first necessary, of course, to estimate as accurately as you can the average number of gallons of water that are used on your premises per day. The average family uses from 75 to 125 gallons of water per day for the house alone. Then, of course, if you have stock to take care of, it will be necessary for you to make allowance for this. Always select an outfit with a little excess capacity.

Our Automatic Electric Water Supply Outfit need not be as large as a hand power outfit or a gasoline engine driven outfit, where it is necessary for you to start the outfit each time yourself. For instance, it would do no harm if the automatic electric outfit starts up two or three times a day, while it would be rather inconvenient for you to have to start the outfit yourself. Our Outfit 42H3600½ will readily supply your requirements up to about 250 gallons of water per day, and the other outfits have proportionately greater capacities.

Ever Ready Automatic Electric Water Supply System Requires Practically No Attention

"Ever Ready" is our own trade mark.

**It Starts Itself — It Stops Itself
Night or Day It Never Forgets to Pump
When Water Is Needed**

Why Be Without This Great Convenience?

There is not a single investment we know of that will add more to the health, happiness and comfort of your entire family than the installation of a modern plumbing system with running water in your home. Just think of the tons of water carried by your wife or children in the course of a year for ordinary household use.

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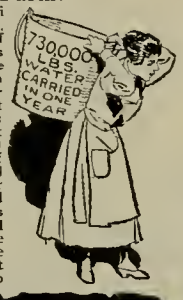
You Can Easily Do Away With This Drudgery on the Farm.



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Pump should not be placed more than 20 feet above water level.

Here is Real Value

Our Price Only $113.95

for 53 Gallon Outfit

With 1/4 Horse Power Motor

Others Ask $150.00 to $175.00

Modern Plumbing Easily Within Your Means

President Cook is right! If those people now living on farms throughout the country where no modern plumbing fixtures or running water has been installed could fully appreciate the great comforts to be derived from these modern sanitary improvements, how moderate the cost and how easily installed, there would be few farm homes, indeed, without these modern improvements.

How many people there are who would not think of being without certain popular luxuries, but are still without these modern sanitary conveniences on the farm! These luxuries are used perhaps only two or three days during the week, and during many weeks of the year some of them may not be used at all.

If you will stop to think a moment you will see that practically two-thirds of your lifetime is spent in your home. Certainly you should spare no effort to make it an ideal place in which to live.

The health, happiness and comfort of yourself and your entire family demand these modern conveniences, and they are easily within your reach.

Think what it means to have a modern bathroom outfit in your home. On those hot sultry days in Summer you could take a nice cool shower bath. That old outhouse with its contaminating swarms of flies, odors and germs would be done away with.

What a great comfort for the old folks, invalids, women and guests. No trudging through the deep snow in Winter, facing the blizzard in below zero weather, or going out on rainy and stormy days and dark nights. Summer or Winter it is a necessity. We do not know of a more necessary improvement you can make in your home.

This great improvement in your home should surely have your first and foremost consideration. Have luxuries? Yes. But of greatest importance come these modern sanitary conveniences in your home. There is nothing of more vital importance to the health, happiness and comfort of all concerned.

A High Grade Outfit, Built for Service.

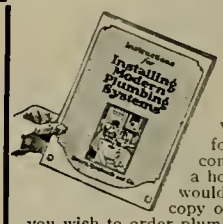
The Modern Water Supply System is the foundation of all plumbing conveniences in the home. After you once have a good, reliable water supply system installed, it is a very simple matter to extend the pipes and have running water wherever you want it on your premises.

Our Ever Ready Automatic Electric Water Supply System, illustrated here, will automatically supply running water to your bathroom, kitchen sink, laundry, etc. These outfits may be used for pumping from wells or cisterns not over 20 feet deep. It is a strictly high grade, practical outfit and is built for service. You can extend the piping to your barn for watering stock, if you wish, and have hydrants conveniently placed for lawn or garden sprinkling, fire protection, etc. All of these conveniences are yours as soon as you have one of these modern outfits installed in your home.

There is nothing complicated or difficult to understand about this outfit. It is easy to connect up. Any handy man can easily install this outfit by following our simple instructions.

A suction pipe is, of course, extended to your well, and discharge pipe from the pump is connected to the water supply pipe in your home. Aside from the occasional supplying of oil, it needs no attention. It starts and stops automatically and will always keep a liberal supply of water under pressure in the tank and the moment you open a faucet anywhere on the piping system you will get a plentiful supply of running water.

Write for Our Special Plumbing Instruction Book 7777GC.



We publish a very interesting plumbing instruction book which contains much valuable information for anyone owning or contemplating building a home of his own. We would like to send you a copy of this book whether you wish to order plumbing supplies or not. Write for it today. Sent postpaid on request.

Prices for Ever Ready Automatic Electric Water Supply System.

Outfits With Black Tanks.

	Diameter, Tank, Inches	Length, Tank, Feet	Total Capacity, Gallons	Working Capacity, Gallons	Shpg. Wt., Lbs.	Price
42H3600¼	18	4	53	42	290	**$113.95**
42H3602¼	20	5	82	65	460	**117.40**

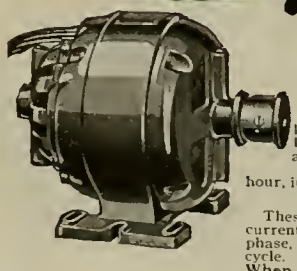
Outfits With Galvanized Tanks.

42H3601¼	18	4	53	42	290	**$117.90**
42H3603¼	20	5	82	65	460	**122.65**

42H3610½—Pump, switch and motor only, as illustrated below, without tank or connections. Shipping weight, 100 pounds. Price..... **$82.00**

Steel tank and pump with motor and automatic switch on all above outfits shipped from factory in CENTRAL ILLINOIS, or from our PHILADELPHIA store; gauges and valves shipped from our CHICAGO or PHILADELPHIA store.

Write for our Special Catalog of Farm Electric Lighting Plants, 775GC.



The Electric Motor

The motor furnished with this outfit is a well known standard make of motor, which is one of the best on the market. Excellent materials are used and the workmanship is high grade throughout.

Figuring cost of current at 10 cents per kilowatt-hour, it will cost you only 3 cents to pump 180 gal. of water.

Important—Read This.

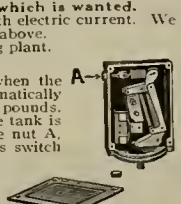
These outfits are furnished for four types of electric current only, as follows: No. 1—110-volt, A. C., single phase, 60-cycle. No. 2—115-volt, A. C., single phase, 60-cycle. No 3—110-volt, D. C., and No. 4—32-volt, D. C. **When ordering be sure to state which is wanted.**

You can get this information from the people who supply you with electric current. We cannot furnish motors for current other than the four types stated above.

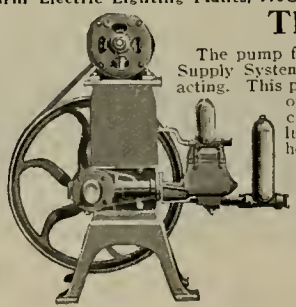
These outfits can be used with any ordinary 32-volt farm lighting plant.

The Automatic Switch.

The automatic switch automatically breaks the electric circuit when the tank has been pumped up to about 45 pounds pressure, and it automatically opens the circuit again when the pressure gets down to about 15 pounds. This starts the motor again, and the outfit keeps pumping until the tank is again pumped up to about 45 pounds pressure. By adjusting the nut A, the pressure at which the switch operates can be regulated. This switch is simple, positive acting and not likely to get out of order.



The Noiseless Pump



The pump furnished with our Ever Ready Electric Water Supply System is exceptionally well designed. It is double acting. This pump has no gears. It is practically noiseless in operation. Crank case is enclosed. Sliding crosshead main bearings and wrist pin are lubricated by the splash system. Priming trap holds prime after pump is once started.

Stroke of pump, 2 inches; bore, 1¼ inches. Capacity, 180 gallons per hour. Cylinder is brass lined. Piston rod is solid brass. Piston is leather packed. A spring tension idler pulley automatically keeps belt tight, so that pump always operates to best efficiency.

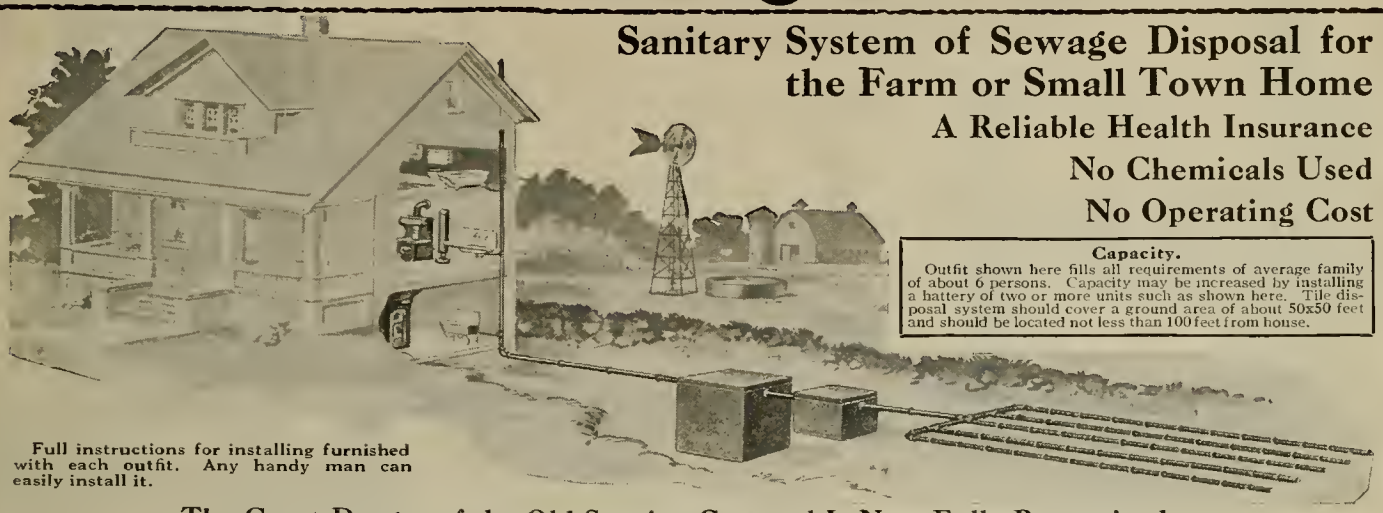
The entire pump and motor are nicely painted in an attractive color and the entire outfit presents a very pleasing appearance.

This pump will draw water from wells or cisterns not over 20 feet deep.

The Outfit

Complete outfit includes pump and motor with automatic switch, tank, water gauge, pressure gauge, relief valve, drain cock, shut-off cock, pipe connections and fittings, as shown. Suction pipe to well or supply pipe to plumbing fixtures not included. For suction pipe to well order ¾-inch galvanized pipe. For supply pipe to plumbing fixtures order ½-inch galvanized pipe.

Modern Plumbing in Your Home



Sanitary System of Sewage Disposal for the Farm or Small Town Home

A Reliable Health Insurance

No Chemicals Used

No Operating Cost

Capacity.
Outfit shown here fills all requirements of average family of about 6 persons. Capacity may be increased by installing a battery of two or more units such as shown here. Tile disposal system should cover a ground area of about 50x50 feet and should be located not less than 100 feet from house.

Full instructions for installing furnished with each outfit. Any handy man can easily install it.

The Great Danger of the Old Seeping Cesspool Is Now Fully Recognized. Typhoid and Malarial Contagion Have Been Directly Traced to It. Contaminated Well Water Spreads Disease.

By Bacterial Action This Sanitary System Purifies the Sewage and Changes It Into a Clear and Harmless Liquid.

Protect Your Well From Disease Germs.

Contrary to common opinion, and in spite of the far better atmospheric conditions in the country, statistics show that the death rate is much higher in rural districts than in large cities. It would be reasonable to assume that the rate of mortality in the more densely populated area amid the soot and smoke of the large city would run high in comparison, but such is not the case.

Sufficient thought has not been given to sanitary conditions on the farm. That clear and cool glass of water fresh from the well is often laden with disease breeding germs not visible to the naked eye, but readily detected by laboratory tests. Drinking water is a common carrier of disease germs. Contagion spreading throughout entire districts has been directly traced to it.

No Farm Home Should Be Without It.

Our sanitary system of sewage disposal purifies the sewage by bacterial action and by a nitrifying process which kills the germs; the solid matter is automatically decomposed and liquified, and the sewage changed into a clear and harmless liquid. It positively prevents contamination of the well water by house sewage, and no farm home should be without it.

This system is not new. It is the same type of system as recommended by leading health authorities as the most practicable solution of the problem of sanitary sewage disposal on the farm.

In this system we simply take advantage of nature's own process for purifying water. It is the same process which is always found working in every stagnant pool which contains any great amount of solid matter. If you watch such a pool closely you will see gas bubbles rising to the top, which means that solid matter is becoming decomposed and nature is constantly striving to purify the water.

Bacterial Action Kills All Germs.

This action is due entirely to certain bacteria or germs which form in millions and feed on the waste matter, entirely decomposing it. The waste matter is transformed into a liquid and certain gases are liberated, which rise to the top of the water in the form of bubbles.

In our system this same process is constantly going on, but much more efficiently for the reason that we make the conditions ideal by more efficient design, so that the bacteria can work to better advantage.

Two tanks or compartments are necessary for the reason that there are two kinds of bacteria involved in this process, each working separately in its own compartment.

Simple, Inexpensive and Easy to Install.

We furnish the two cement tanks or compartments only. Each compartment has a removable cover and both are entirely buried in the ground as illustrated, so that the covers come about 6 inches below the surface of the ground.

The sewage is discharged into the large tank with ordinary cast iron soil pipe or glazed sewer tile. Tanks are also inter-connected at top with sewer pipe. Outlet discharges into a system of ordinary porous field drain tile for final purification, as shown. Tanks are made of cement composition well reinforced with steel rods. They are made in one solid piece with removable covers, no seams, no chance for leakage.

Size large tank, 24 inches by 24 inches by 52 inches. Small tank, 24 inches by 24 inches by 36 inches. Thickness of walls, 1½ inches. Drilled for connections as shown.

Shipping weight, both tanks, 900 pounds. **Shipped from factory in Northern Illinois.**

Any handy man can easily install it. Full instructions furnished.

42H3560⅓—Two tanks only, for sanitary sewage disposal system as described, with covers, no tile or pipe included. Price..... **$19.60**

For cast iron soil pipe and fittings see page 19.

Complete Modern Closet Outfit
With all pipes and fittings ready to install

You Can Do the Work Yourself and Make a Big Saving

This offer includes our Beautiful Sanitary Fairfield Closet Outfit, described on page 12, with all necessary cast iron soil pipe, calking lead, oakum, galvanized supply pipe and fittings, etc.; in fact, everything necessary to complete the installation of this modern outfit in the average building, as specified in detail below.

Other Fixtures Can Be Added Any Time.

We have provided suitable connections, tees, etc., in this outfit so that you can place them in the piping system and you can easily add a bathtub, lavatory and kitchen sink at any future time.

Why not take advantage of this liberal offer and make this big improvement in your home now?

There is not a greater improvement that we know of that you can make for such a small investment.

Full plans and instructions sent with every outfit. Any man who can cut and thread ordinary iron pipe can easily install this outfit by following our simple plans and instructions.

A Great Comfort and Convenience.

YOU know what a great comfort and convenience it will be to have this modern outfit installed, especially during the cold and blizzardy days of Winter, and the best part of it all is that every dollar that you invest in this outfit is invested for a permanent improvement, and when you wish to add other fixtures just remove the plugs from the tees and extend the connections.

Outfit includes 42H2000¼ Fairfield Closet Outfit, with washdown bowl, as described on page 12, four lengths 4-inch standard single hub soil pipe, one length 4-inch standard double hub soil pipe, 20 pounds calking lead and 3 pounds oakum, for making up soil pipe joints, one 4-inch sanitary tee and one cast iron closet bend and gasket with tapped side openings with iron screw plugs. When it is desired to add bathtub and lavatory these plugs may be removed and pipes connected. One 4x1¼-inch tapped tee with screw plug to be placed in soil pipe stack at first floor.

When it is desired to connect up sink just unscrew plug and connect pipe. Two 4-inch standard soil pipe rests, 25 feet ⅜-inch galvanized pipe to supply water to closet. One 5-inch copper roof flange to make watertight joint where soil pipe goes through roof. One 4x5-inch standard long increaser. Six ⅜-inch galvanized elbows and one ¾-inch galvanized coupling for supply pipe. Outfit, as described, suitable for average two-story building where soil pipe can run straight from ground through roof. If your building does not permit this or if three-story, you will require some extra pipe and fittings. In that case write for our special estimate.

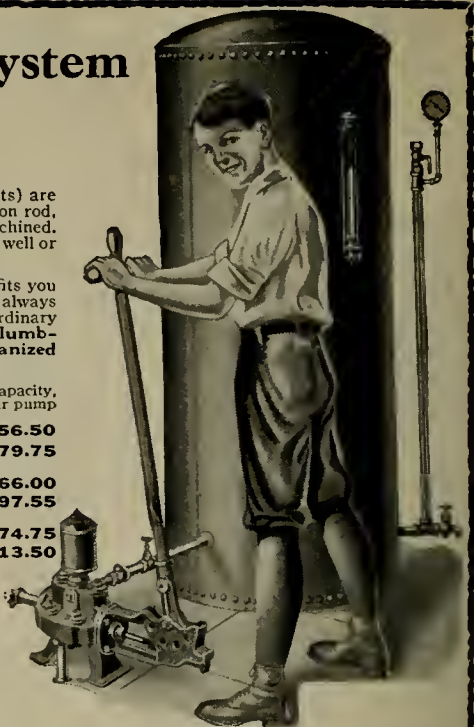
42H2024—Outfit complete, as described. Shipping weight, 350 pounds. Price..... **$43.90**

NOTE—Ordinances of various cities differ widely, some requiring more and some less pipe and fittings. In the above we have provided a good sanitary system, but it may not comply with the ordinances of your particular city. If you are required to follow special city ordinances it is better to send us a copy of these ordinances and get our special estimate before ordering.

Hand Power Pneumatic Water Supply System

For Wells or Cisterns Up to 20 Feet Deep

Vertical Tank Outfits



Our Ever Ready Hand Power Water Supply Systems quoted on this page (both vertical and horizontal tank outfits) are equipped with one of the best hand power pumps on the market. Easy working geared head drive, brass cased piston rod, brass air cylinder attachment. Pump air and water at the same time. Large air chamber, well made and carefully machined. These pumps are up to the highest standard in workmanship, finish and material. Pump will draw water from any well or cistern up to 20 feet deep.

These outfits will force water wherever you wish to extend the pipe and connect a faucet. With one of these outfits you can have all the conveniences of modern plumbing. A sink, bathtub, lavatory or water closet with hot and cold water always on tap. **The first cost is the only cost.** Fifteen minutes' pumping each day supplies sufficient water for the ordinary household. **"Ever Ready" is our own trade mark. Suction pipe to well or cistern or water supply pipe to plumbing fixtures not included. Order 1¼-inch galvanized pipe to connect pump with well and ¾-inch galvanized pipe to make connection to plumbing fixtures.**

42H3612¼—Outfit includes one vertical black steel pneumatic tank, 24 inches in diameter by 6 feet high. Total capacity, 140 gallons; working capacity, 105 gallons. One double acting force pump with 3-inch brass lined water cylinder and brass air pump attached, and all necessary valves, gauges and connections, etc., as shown in illustration. Shipping weight, 470 pounds.
Price, complete, with black tank ..... **$ 56.50**

42H3613¼—Outfit, complete, as above, with tank galvanized inside and out. Price **79.75**

42H3614¼—Outfit, as above, with tank 6 feet high by 30 inches in diameter. Total capacity, 220 gallons; working capacity, 165 gallons. Shipping weight, 660 pounds. Price, complete, with black tank **66.00**

42H3615¼—Outfit, complete, as above, with tank galvanized inside and out. Price **97.55**

42H3616¼—Outfit, as above, with tank 6 feet high by 36 inches in diameter. Total capacity, 315 gallons; working capacity, 215 gallons. Shipping weight, 860 pounds. Price, complete, with black tank **74.75**

42H3617¼—Outfit, complete, as above, with tank galvanized inside and out. Price **113.50**

Horizontal Tank Outfits

This illustration shows outfit with horizontal tank.

42H3500¼—Outfit with one 30-inch by 6-foot horizontal black steel tank. Total capacity, 220 gallons; working capacity, 150 gallons; one special horizontal double acting force pump with 3-inch brass lined cylinder and hydro-pneumatic cylinder attached, one 1-inch gate valve, one 1-inch check valve, one water gauge complete, one pressure gauge, one ¾-inch stop and waste cock, one ½-inch hose bibb, two tank supports fitted to curvature of tank, together with pipe and fittings cut and threaded, as shown in illustration. Suction pipe to well or cistern not included. Shipping weight, about 575 pounds.
Price, complete **$69.20**

42H3501¼—Same as above, with tank galvanized inside and out.
Price, complete **$101.00**

42H3502¼—Same as 42H3500¼, using 24-inch by 10-foot horizontal black steel tank. Total capacity, 235 gallons; working capacity, 160 gallons. Shipping weight, about 655 pounds. Price, complete **$76.95**

42H3503¼—Same as above, with tank galvanized inside and out. Price, complete **$112.15**

42H3504¼—Same as 42H3500¼, using 30-inch by 8-foot horizontal black steel tank. Total capacity, 295 gallons; working capacity, 200 gallons. Shipping weight, about 810 pounds. Price, complete **$79.65**

42H3505¼—Same as 42H3504¼, with tank galvanized inside and out. Price, complete **$117.95**

42H3506¼—Same as 42H3500¼, using 30-inch by 10-foot horizontal black steel tank. Total capacity, 365 gallons; working capacity, 250 gallons. Shipping weight, about 925 pounds. Price, complete **$87.85**

42H3507¼—Same as above, with tank galvanized inside and out. Price, complete **$133.25**

Tanks on all these outfits, except sizes 24x10,30x8 and 30x10, which are shipped from CENTRAL ILLINOIS only, are shipped from factory in CENTRAL ILLINOIS or from our PHILADELPHIA store; pumps and trimmings from our CHICAGO or PHILADELPHIA store. Shipment will be made from point nearer you.

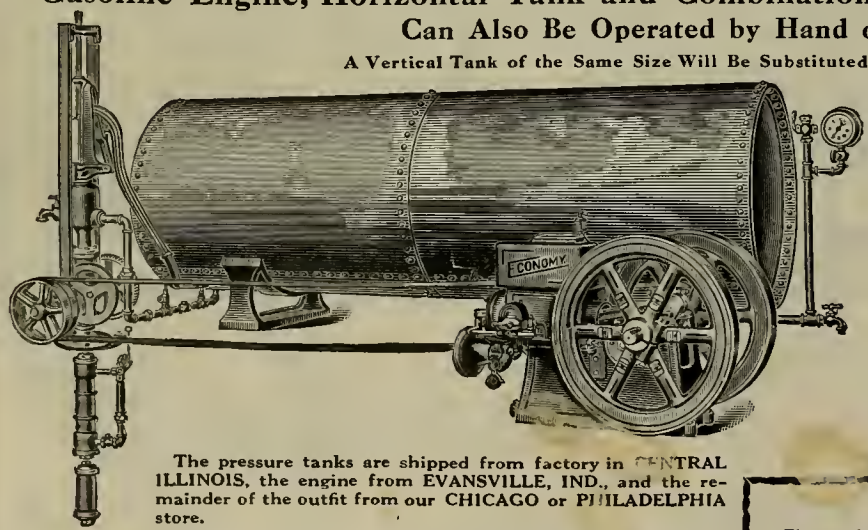
Suction pipe to well or cistern or water supply pipe to plumbing fixtures not included. Order 1¼-inch galvanized pipe to connect pump with well and ¾-inch galvanized pipe to connect outfit to plumbing fixtures.

This outfit can easily be converted into a power outfit for gasoline engine or electric motor drive by simply attaching one of our No. 312 Pump Jacks as listed in our big General Catalog.

Gasoline Engine, Horizontal Tank and Combination Working Head for Deep Wells

Can Also Be Operated by Hand or Windmill.

A Vertical Tank of the Same Size Will Be Substituted in Any Outfit if Desired.



42H3520¼

One 30-inch by 10-foot horizontal black steel tank. Total capacity, 365 gallons; working capacity, 250 gallons; one special deep well working head for heavy duty, back geared 8 to 1; one 3-inch by 16-inch brass body water cylinder, one 3½-inch hydro-pneumatic cylinder, one water gauge complete, one pressure gauge, one 1¼-inch gate valve, one 1¼-inch check valve, one 1-inch water relief valve, one ¾-inch stop and waste cock, one ½-inch hose bibb, two tank supports, fitted to curvature of tank; all pipe, fittings and belts shown in illustration; one 1½-horse-power Economy Gasoline Engine, fitted with magneto. Shipping weight, about 1,690 pounds.
Price, complete **$190.00**

42H3521¼

Same as above, with tank galvanized inside and out.
Price, complete **$235.20**

42H3522¼

Same as 42H3520¼, using 36-inch by 8-foot horizontal black steel tank. Total capacity, 420 gallons; working capacity, 280 gallons. Shipping weight, about 1,820 pounds.
Price, complete **$193.50**

42H3523¼

Same as above, with tank galvanized inside and out.
Price, complete **$241.00**

The pressure tanks are shipped from factory in CENTRAL ILLINOIS, the engine from EVANSVILLE, IND., and the remainder of the outfit from our CHICAGO or PHILADELPHIA store.

42H3524¼

Same as 42H3520¼, using 36-inch by 12-foot horizontal black steel tank. Total capacity, 630 gallons; working capacity, 420 gallons. Shipping weight, about 2,145 lbs.
Price, complete **$213.00**

42H3525¼

Same as above, with tank galvanized inside and out.
Price, complete **$277.00**

42H3526¼

Same as 42H3520¼, using 42-inch by 10-foot horizontal black steel tank. Total capacity, 720 gallons; working capacity, 480 gallons. Shipping weight, about 2,580 lbs.
Price, complete **$239.40**

42H3527¼

Same as above, with tank galvanized inside and out.
Price, complete **$326.40**

42H3528¼

Same as 42H3520¼, using 42-inch by 12-foot horizontal black steel tank. Total capacity, 865 gallons; working capacity, 580 gallons. Shipping weight, about 2,845 lbs.
Price, complete **$253.75**

42H3529¼

Same as above, with tank galvanized inside and out.
Price, complete **$353.90**

42H3530¼

Same as 42H3520¼, using 42-inch by 14-foot horizontal black steel tank. Total capacity, 1,000 gallons; working capacity, 670 gallons. Shipping wt., about 3,110 lbs.
Price, complete **$270.50**

42H3531¼

Same as above, with tank galvanized inside and out.
Price, complete **$385.25**

For a complete description of our Gasoline Engines, refer to our large General Catalog or write for our Special Gasoline Engine Catalog 646MP.

Ever Ready Steel Tanks.

For Pneumatic Water Supply Systems.

These tanks are made of flange steel, having a tensile strength of 60,000 pounds; all longitudinal seams are double riveted and the tanks are tested to an air pressure of 125 pounds before leaving our factory. The workmanship and material in these tanks is of a very high standard. All rivet heads and seams are carefully peened and tanks are guaranteed to be absolutely airtight.

Prices and Specifications Ever Ready Steel Tanks.

Prices given below are for tanks only and do not include pump, valves, fittings or any accessories whatever.

Be sure to state size wanted and also state if tank is to stand vertically or lie horizontally.

Diam., Inches	Length, Feet	Shpg. Wt., About, Lbs.	Capacity, Gallons	Thickness, Inches Shell	Thickness, Inches Head	PRICES 42H3540¼ Black	PRICES 42H3541¼ Galvanized
24	5	390	120	3/16	¼	$31.10	$ 51.95
24	6	440	140	3/16	¼	35.00	58.50
24	10	660	235	3/16	¼	52.90	88.15
30	6	590	220	3/16	5/16	44.60	76.10
30	8	720	295	3/16	5/16	54.95	93.40
30	10	850	365	3/16	5/16	63.30	108.65
36	6	730	315	3/16	5/16	53.20	92.10
36	8	890	420	3/16	5/16	66.10	113.60
36	10	1,050	525	3/16	5/16	76.50	132.55
36	12	1,200	630	3/16	5/16	85.60	149.60

Sizes 24x5 and 24x6 tanks shipped from our PHILADELPHIA store or from factory in CENTRAL ILLINOIS. Shipment will be made from point nearer you. All other sizes of tanks shipped from factory in CENTRAL ILLINOIS only.

Our Plumbing Systems Easily Installed

Tbe illustration on this page shows a "cut away" view of our modern plumbing systems installed in the average building.

There is not a single connection in this entire installation which cannot be readily understood and easily made by any one who follows our simple plans and instructions.

There is nothing mysterious or difficult about any part of this entire work. Any man who can cut and thread ordinary iron pipe and screw it together can easily install any of our complete plumbing systems.

If you do not care to do the work yourself you can get in touch with some handy man in your locality and let him do the work for you.

It will pay you well to look after the installation of the material yourself even though you may not do the actual work. Many of our customers have followed this plan and by so doing say they have saved anywhere from $50.00 to $200.00 on their complete plumbing systems.

It usually is not difficult to find a good handy man who will be willing to undertake this work for you at a fair working wage. He does not necessarily have to be an experienced plumber.

By overseeing the installation yourself you will get just as good or perhaps a more satisfactory job than you would if you let the job by contract and did not personally supervise the work.

"Now we're all set, Son. We have the tools, we have the Instruction Book, and we have the hands. It looks to me as though ANYONE, even if he'd never laid a pipe in his life, could do pretty nearly a perfect plumbing job if he followed the instructions in this book and watched the illustrations. Everything seems perfectly plain to me. Let's get started."

Our Prices Mean a Big Saving to You.

Our prices on plumbing supplies mean a big saving to you and our fixtures are all first quality.

It is not hard to understand why we are able to offer this material to you at such a great saving, when you stop to consider that under our plan of merchandising the material goes direct from our factory to you; all unnecessary handling and transportation is eliminated and you reap the benefit in lower prices.

The quality of our material is equal to the best. We do not sell second grade or class B plumbing fixtures, and you can place your order for any article in this catalog feeling confident that you will receive a fixture that is strictly perfect in every respect.

The strong liberal guarantee of Sears, Roebuck and Co. is back of every plumbing system we sell and every article in this catalog. You run no risk.

To Get Our Estimate.

Our Special Plumbing Information Blank explains fully just what information we need in order to prepare an estimate for you on a complete plumbing system for your building.

If you do not find one of these blanks enclosed in this catalog, send us a sketch of your building, showing how you prefer to have the fixtures located; state what particular fixtures you would like to have us include in our estimate, and we will prepare a complete estimate for you on a plumbing system that we will guarantee to give you satisfaction.

If it will be necessary for you to follow any city ordinances, please obtain a copy of the ordinances of your town from your local authorities, and we will estimate your plumbing system accordingly.

Remember, you will make a big saving by taking advantage of our liberal offer and it will be to your interest to get our figures.

WELL OR CISTERN.

Write for our interesting Plumbing Instruction Book No. F7777MP. Contains much useful and valuable information about modern plumbing. Tells you how to install your own plumbing material. We will send it postpaid on request.

Modern Bathroom Outfits

BATHTUB is 5 feet-long, 30 inches wide over rim at top and 16½ inches deep, sufficient to prevent water from splashing over sides. Height from floor to top of tub, 22 inches. Made of cast iron, coated inside with white porcelain enamel, painted red outside and has 3-inch roll rim. Standard Fuller pattern bath cock, 1½-inch connected waste and overflow and two ½-inch offset supply pipes to floor, all of brass, nickel plated and polished.

LAVATORY is 18 inches from front to back, 21 inches wide and has 8-inch high back and roll or turnover rim 4 inches deep. Soap cup cast in top directly above overflow. 1¼-inch trap with outlet to wall, two compression faucets with china tops, one marked "hot," the other "cold," and two ⅜-inch supply pipes to wall. All trimmings of the latest design, made of brass, nicely nickel plated.

If wanted with waste and supply pipes, threaded for connecting to iron pipe, allow $1.50 extra.

Dellwood Bathroom Outfit.

A very popular combination. Modern, of neat appearance and durable. Suitable for the finest residence. A good serviceable outfit at a moderate price. Why not enjoy this great comfort in your home now?

CLOSET has siphon washdown pattern bowl of vitreous earthenware, polished grain sawed oak tank and seat. Tank lined with copper, holds 6½ gallons. China handle flush lever, ⅜-inch supply pipe to floor, hinges for seat and screws and washers for fastening bowl to floor. All trimmings are nicely nickel plated.

Bathtub and lavatory shipped from LAYTON PARK, WIS. Shipping weight, 390 pounds. **Closet shipped from our store.** Shipping weight, 95 pounds.

42H3660¼—Dellwood Bathroom Outfit (bathtub, lavatory and closet), with supply and waste pipes of lavatory to wall, as illustrated. Price.....**$71.50**

42H3661¼—Dellwood Bathroom Outfit (bathtub, lavatory and closet), with supply and waste pipes of lavatory to floor. Price.....**$72.20**

Prices do not include paper holder, towel bars, bath stool, bath seat, etc. For Bathroom Trimmings see page 726.

BATHTUB—Same as furnished with Dellwood Bathroom Outfit described above, complete with trimmings to floor.

LAVATORY—Same as furnished with Dellwood Bathroom Outfit described above, complete with trimmings to wall.

CLOSET—The closet combination is the special feature of this bathroom outfit. Has siphon washdown bowl of vitreous earthenware, highly polished mahogany finish seat with nickel plated brass hinges, and large capacity white china tank with china handle flush lever and nickel plated supply pipe to floor.

Fairview Bathroom Outfit.

The handsome snow white vitreous china closet tank is the special feature of this outfit. Sanitary, attractive and durable.

CLOSET TANK—White vitreous china, artistically designed. A beautiful sanitary closet outfit that is easily kept clean and white, and will add greatly to the appearance of your bathroom. **Bathtub and lavatory shipped from LAYTON PARK, WIS.** Shipping weight, 395 pounds. **Closet shipped from our store.** Shipping weight, 130 pounds.

42H3664¼—Fairview Bathroom Outfit (bathtub, lavatory and closet), with supply and waste pipes to wall, as illustrated. Price.....**$76.20**

42H3665¼—Fairview Bathroom Outfit (bathtub, lavatory and closet), with supply and waste pipes to floor. Price.....**$76.90**

If wanted with supply and waste pipes threaded for iron pipe, add $1.50 extra.

Prices for above outfits do not include paper holders, towel bars, etc. For Bathroom Trimmings see page 726.

Easily Installed in the Home

BATHTUB is 5 feet long, 30 inches wide over rim at top and about 17 inches deep inside. Cast iron, with a 3-inch roll rim and base, all cast in one piece. Tub is white porcelain enameled inside and painted red outside. Standard Fuller pattern No. 4½ bath cock, with china handles, marked "hot" and "cold;" 1½-inch Model waste and overflow, with china top marked "waste," and two ½-inch supply pipes, all brass, nickel plated.

LAVATORY is of the square pattern, with top measuring 20 inches from front to back and 24 inches wide. Square pedestal. Inside, top and apron of lavatory and pedestal are glazed with white porcelain enamel. 1¼-inch trap with outlet to wall; Model waste; two Fuller pattern cocks with china handles, marked "hot" and "cold," and two ⅜-inch bottle air chamber supply pipes to wall. All trimmings nickel plated.

If wanted with waste and supply pipes threaded for connecting to iron pipe allow $1.50 extra.

Chippendale Bathroom Outfit.

Here is an outfit at a moderate price that would be appropriate for the finest mansion. What a pride it will be to have an outfit like this installed in your home!

CLOSET has siphon jet bowl of vitreous earthenware and chinaware tank. Seat is of solid birchwood with highly polished mahogany finish, fitted with nickel plated brass hinges. China handle flush lever, nickel plated; ⅜-in. supply pipe from tank to floor.

Bathtub and lavatory shipped from LAYTON PARK, WIS. Shipping weight, 670 pounds. **Closet shipped from our store.** Shipping weight, 130 pounds.

42H3668¼—Chippendale Bathroom Outfit (bathtub, lavatory and closet), with supply and waste pipes of lavatory to wall, as illustrated. Price.....**$116.50**

42H3669¼—Chippendale Bathroom Outfit (bathtub, lavatory and closet), with supply and waste pipes of lavatory to floor. Price.....**$117.20**

Prices of outfits above do not include paper holder, towel bar, bath stool, etc. For Bathroom Trimmings see page 726.

THE BATHTUB—Same as furnished with Dellwood Bathroom Outfit described on opposite page, complete with all trimmings to floor.

LAVATORY is 18 inches from front to back, 24 inches wide and has a 10-inch high back and deep apron. Made of cast iron with soap cup cast in top. Inside of bowl, top, back and outside of apron glazed with white porcelain enamel. 1¼-inch trap with outlet to wall, two compression cocks with china tops, marked "hot" and "cold," and two ⅜-inch bottle air chamber supply pipes to wall. All trimmings of brass, nicely nickel plated.

CLOSET has siphon jet bowl and chinaware tank. Seat of seasoned birchwood, highly polished mahogany finish, with nickel plated brass hinges. China handle flush lever, nickel plated ⅜-inch supply pipe to floor

Prices do not include Paper Holder, Towel Bar, Stool, Bath Seat, etc. For Bathroom Trimmings see page 726.

Iroquois Bathroom Outfit.

White vitreous china closet tank. Siphon jet noiseless closet bowl and large square lavatory are special features of this outfit.

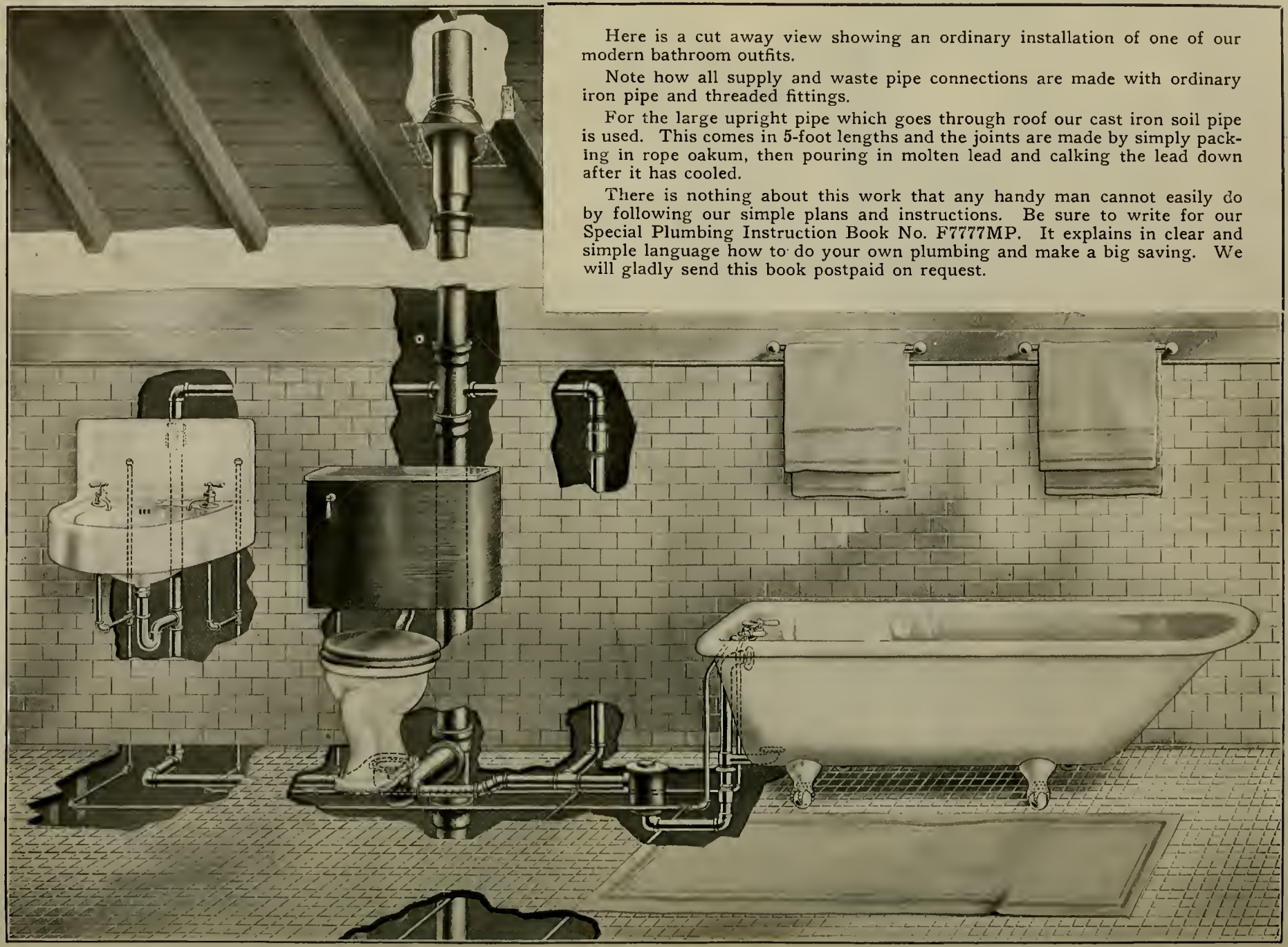
Bathtub and lavatory shipped from LAYTON PARK, WIS. Shipping weight, 410 pounds. **Closet shipped from our store.** Shipping weight, 130 pounds.

42H3672¼—Iroquois Bathroom Outfit (bathtub, lavatory and closet), with supply and waste pipes of lavatory to wall as illustrated. Price.....**$89.25**

42H3673¼—Iroquois Bathroom Outfit (bathtub, lavatory and closet), with waste and supply pipes of lavatory to the floor. Price.....**$89.95**

If wanted with waste and supply pipes threaded for connecting to iron pipe, allow $1.50 extra.

Any handy man can easily install any of our bathroom outfits.

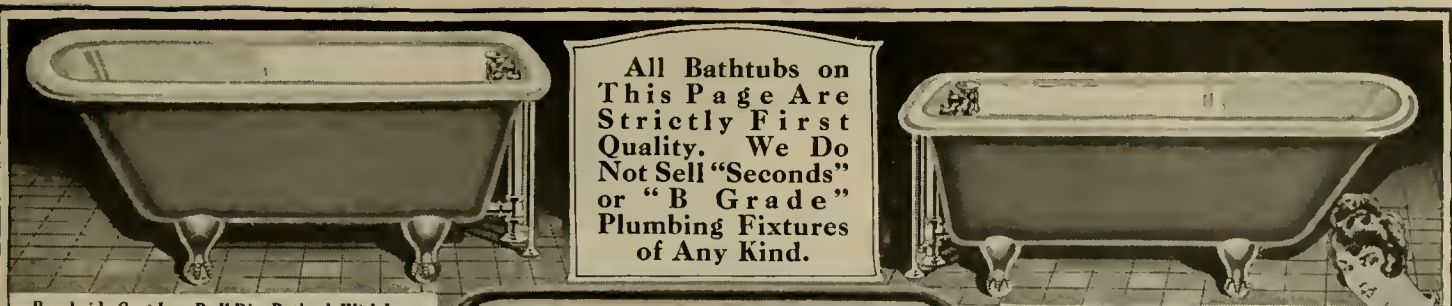


Here is a cut away view showing an ordinary installation of one of our modern bathroom outfits.

Note how all supply and waste pipe connections are made with ordinary iron pipe and threaded fittings.

For the large upright pipe which goes through roof our cast iron soil pipe is used. This comes in 5-foot lengths and the joints are made by simply packing in rope oakum, then pouring in molten lead and calking the lead down after it has cooled.

There is nothing about this work that any handy man cannot easily do by following our simple plans and instructions. Be sure to write for our Special Plumbing Instruction Book No. F7777MP. It explains in clear and simple language how to do your own plumbing and make a big saving. We will gladly send this book postpaid on request.



All Bathtubs on This Page Are Strictly First Quality. We Do Not Sell "Seconds" or "B Grade" Plumbing Fixtures of Any Kind.

Brookside Cast Iron Roll Rim Bathtub With Legs.

Heavy Cast Iron One-Piece Bathtub, detachable cast iron legs, 3-inch roll rim. Heavily coated inside and over rim with white porcelain enamel. Outside painted one coat of iron filler paint. Furnished with or without trimmings as quoted below. Trimmings include Fuller bath cock, connected waste and overflow and supply pipes to floor, all of nickel plated brass. Width, over rim, 30 inches. Depth, 16 inches. Height, 22 inches. **Shipped from LAYTON PARK, WIS.**

Length, Feet	Shipping Weight, About Pounds	42H3680⅓ Enameled Inside, Painted Outside, Complete	42H3681⅓ Same as 42H3680¼ With Legs But No Trimmings
4½	275	$33.95	$25.35
5	300	34.60	26.00
5½	330	37.95	29.35
6	350	44.60	36.00

NOTE—Trimmings are necessary to connect to pipes. If wanted for iron pipe connection, add 75 cents to price of tub with trimmings.

Sheet Steel Bathtub.

Made of sheet steel, painted with paint enamel. Inside white, outside blue. Has 3-inch wood rim, varnished. Tub is light and easily moved about. Nickel plated connected waste and overflow threaded for 1-inch iron pipe. Drilled for bath cock, but bath cock or supply pipes not included at prices quoted. **Shipped from DETROIT, MICH.** Shipping weight, about 90 pounds.

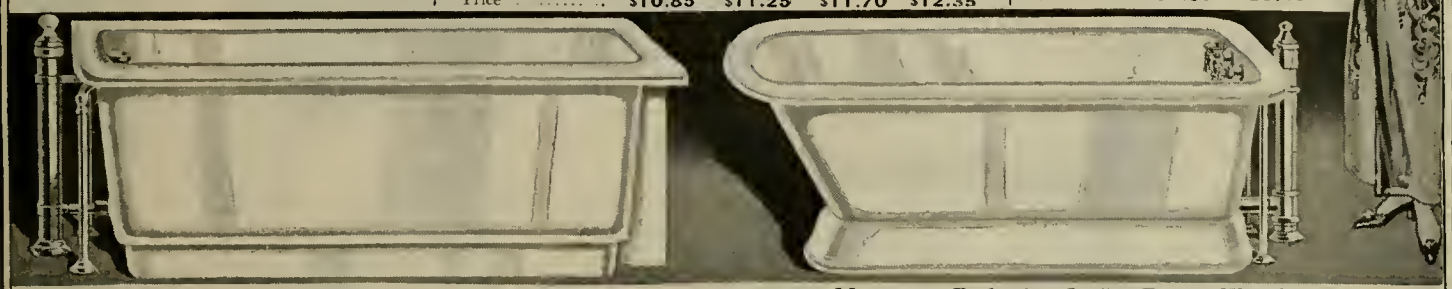
Size	42H3706⅓ 4 ft. 6 in.	42H3707⅓ 5 ft.	42H3708⅓ 5 ft. 6 in.	42H3709⅓ 6 ft.
Price	$10.85	$11.25	$11.70	$12.35

Irving Bathtub for Small Bathrooms.

Only 26 Inches Wide Over All.

Same as 42H3680⅓, except narrower width for small bathrooms where space is limited. Width over all, 26 inches. Width of rim, 2 inches. Trimmings include Fuller bathtub faucet, supply pipes to floor and connected waste and overflow, all brass nickel plated. **Shipped from LAYTON PARK, WIS.**

L'gth, Feet	Shpg. Wt., Lbs.	42H3692⅓ Complete With Trimmings	42H3693⅓ With Legs, No Trimmings
4½	260	$34.00	$25.45
5	280	34.70	26.10
5½	320	38.05	29.45



Elegant Built-In Style Bathtub.

This tub is cast iron with three coats of porcelain enamel inside and outside. Artistic and sanitary. Will add greatly to the appearance of your bathroom. Furnished with a nickel plated brass model waste and overflow with a china lifting knob, nickel plated brass supply pipes with ball offset connections and a nickel plated Fuller bath faucet with china handles. This tub sets up against the back and end walls and fits tight to the floor. It is therefore strictly sanitary and easily kept clean. Dirt or other foreign substances cannot collect at the end, beneath or behind the tub. Furnished for either right or left hand corner. **Illustration shows tub for right hand corner. State which is wanted.**

42H3690⅓—Bathtub, complete with trimmings, as illustrated, for right or left hand corner. **(State which; very important.)** Fitted for connection to lead pipe.

Length of tub, feet.	4½	5	5½
Shpg. wt., lbs	360	440	500
Price	$57.45	$59.95	$62.70

Shipped from LAYTON PARK, WIS. For iron pipe connection add 75c.

Marquette Bathtub. Stylish Design With Base.

Tub and base are cast in one solid piece. White porcelain enameled inside, painted one coat outside. Also furnished with white porcelain enameled finish inside and outside. Fitted complete with nickel plated china lifting waste, nickel plated Fuller bath cock and nickel plated supply pipes to floor, as illustrated. Dust or other foreign substances cannot collect beneath this tub. A beautiful, sanitary fixture.

42H3696⅓—Bathtub, complete as described, porcelain enameled inside, painted outside.

Length, feet	4½	5	5½
Shpg. wt., lbs.	360	400	440
Price	$43.50	$44.85	$48.40

42H3697⅓—Bathtub, complete as described, porcelain enameled inside and outside.

Length, feet	4½	5	5½
Shpg. wt., lbs.	360	400	440
Price	$59.00	$63.00	$67.25

For iron pipe connection add 75 cents. **Shipped from LAYTON PARK, WIS.**

Handy Portable Folding Bathtubs and Heaters

Heater, Kerosene Stove and Bathtub.

Three in One.

Burns Kerosene. No Danger.

Heater and bathtub are separate and can be moved about independently. You can use the heater for heating water for washing dishes, cooking, etc., while the bathtub is not in use. Both the heater and tub are light and easily handled. When not in use the tub can easily be lifted up and stood on end in some closet or corner where it will be out of the way, and the heater can be moved into the kitchen and placed alongside of the sink, as shown in the illustration at the left, and you will always have hot water for cooking, washing dishes, etc., by just opening the faucet on the tank. During the hot days in Summer you can remove the tank and use the stove part of heater as a kerosene stove for cooking, frying, heating irons, etc., so that you will not have to keep a hot coal or wood stove burning in your kitchen. **This outfit fulfills three big needs in every farm home as shown by the illustrations.** Has 6-foot rubber hose to let water run outdoors. Tub is 5½ feet long and 28 inches wide with varnished oak rim. Tank holds 12 gallons. It is made of galvanized sheet steel and is covered with bright nickel plated sheet metal, giving it a beautiful finish. Entire outfit is exceptionally well made and elegantly finished throughout. Just the thing for the country home which has no running water. As a vacation outfit for the Summer cottage it can't be beat. Shipping wt., 185 pounds. **Shipped from factory at DETROIT, MICH.**

42H3711⅓—Price **$29.76**

No Pipes or Plumbing Work Necessary.

Just fill the heater tank with water and light the burner. Water will be heated sufficiently for bath in thirty minutes. The water runs right into the tub by simply opening the faucet. To drain the water out of the tub, a 6-foot length of hose is provided which you can attach to the water outlet and let the water run outdoors. Water heater holds 12 gallons.

Tub is 5 feet long and 30 inches wide. It is made of galvanized sheet steel. Entire top, including the upright stand, is heavily coated with white paint enamel, giving the outfit a handsome and sanitary appearance. Tub is enameled white. Hardwood rim around entire top of tub, white enamel coated to match tub. Heater has galvanized steel inner casing covered with an outer casing of light nickel plated sheet steel, highly polished.

Light, Portable, Easily Handled.

The entire outfit is on roller bearing rollers and can be pushed out of the way into some convenient storeroom or clothes closet. Water circulates through a copper tube in the heater directly over the burner, so that it heats quickly. Heater may be provided with gas or kerosene oil burner, as desired. **State which is wanted.** This outfit fulfills a real necessity in every rural home where there is no modern plumbing installed. Shipping weight, 165 pounds. **Shipped from factory at DETROIT, MICH.**

42H3710⅓—Outfit complete as described.

Price $37.80

PORCELAIN ENAMELED LAVATORIES

Champlain Lavatory. 17x19 in. 10x14 in. bowl. 6 in. back.

Cast iron, white porcelain enameled. For small bathrooms, etc., where space is limited. All trimmings brass, nickel plated. **Shipped from LAYTON PARK, WIS.** Shpg. wt., 60 lbs.

42H3720⅓—Lavatory, complete with trimmings to wall, for lead pipe. Price.....**$12.90**
Fitted for iron pipe, 75 cents extra.

42H3721⅓—Lavatory with trimmings to floor, for lead pipe. Price.....**$13.60**
Fitted for iron pipe, 75 cents extra.

42H3722⅓—Lavatory only, with waste plug, chain and stay. No other trimmings. Price.....**$6.60**

Pentwater Lavatory.

18x21 inches, 10x14-inch bowl. Height, back, 8 inches. Cast iron. White porcelain enameled. All trimmings brass, nickel plated. Popular size, neat and sanitary. **Shipped from LAYTON PARK, WIS.** Shipping weight, 82 pounds.

42H3744⅓—Complete with trimmings to wall, for lead pipe. Price.....**$15.40**
Fitted for iron pipe, 75 cents extra.

42H3745⅓—Complete with trimmings to floor, for lead pipe. Price.....**$16.10**
Fitted for iron pipe, 75 cents extra

42H3746⅓—Lavatory only, with waste plug with coupling, chain and chain stay. No other trimmings. Price.....**$8.95**

Edgewater Lavatory. 18x21 inches; bowl, 10x14 in., 8-inch back.

White porcelain enameled. All trimmings brass, nickel plated. Has Model lifting style waste. **Shipped from LAYTON PARK, WIS.** Shipping weight, 90 pounds.

42H3726⅓—Complete with trimmings to wall, for lead pipe. Price.**$20.65**
Fitted for iron pipe, 75 cents extra.

42H3727⅓—Complete with trimmings to floor, for lead pipe.....**$21.35**
Fitted for iron pipe, 75 cents extra.

42H3728⅓—Lavatory only, with Model waste. No other trimmings.**$12.70**

Princeton Pedestal Lavatory.

22x31 inches, 13x16-inch bowl. Model waste, Fuller faucets with china handles, supply pipes and P trap. White porcelain enameled from floor up. Modern style, very artistic design. All trimmings brass, nickel plated. **Shipped from LAYTON PARK, WIS.** Shipping weight, 200 pounds.

42H3760⅓—Complete with trimmings to wall. Price.....**$39.50**

42H3761⅓—Complete with trimmings to floor. Price.....**$40.20**

Prices are for lavatory fitted for lead pipe. If wanted for iron pipe add 75 cents.

Fairfield Closet Outfit.

Same as Outfit 42H2001¼, except bowl is siphon washdown pattern. The siphon washdown bowl is a little less expensive than the siphon jet, but it is not quite as silent in its flushing action. An exceptionally high grade, strictly sanitary outfit.

42H2000¼—Outfit, complete as described. Shpg. wt., 130 lbs.....**$26.20**
For iron pipe connection add 50 cents.

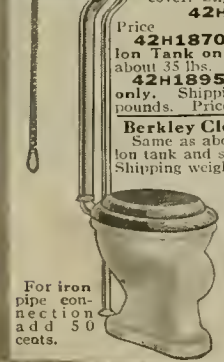
High Tank Closet Outfit.

Siphon washdown bowl, solid oak tank, seat and cover. Shpg. wt., 105 lbs.

42H2020¼ Price.....**$25.10**

42H1870¼—5½-Gallon Tank only. Shpg. wt., about 35 lbs. Price.**$8.50**

42H1895¼—Bowl only. Shipping weight, 50 pounds. Price.....**$8.75**



Berkley Closet Outfit.

Same as above, with 8-gallon tank and siphon jet bowl. Shipping weight, 110 pounds.

42H2022¼ Price.**$33.60**

42H1871¼ 8-Gallon Tank only. Shipping wt., about 40 lbs. Price.**$11.10**

42H1899¼ Siphon jet Bowl only. Shipping wt., 60 lbs. Price, **$16.00**

For iron pipe connection add 50 cents.

Oakdale Closet Outfit.

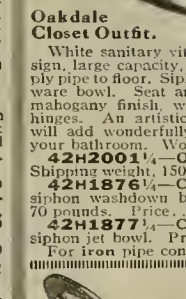
White sanitary vitreous tank; artistic design, large capacity, with nickel plated supply pipe to floor. Siphon jet vitreous earthenware bowl. Seat and cover of birchwood, mahogany finish, with nickel plated brass hinges. An artistic, sanitary closet outfit will add wonderfully to the appearance of your bathroom. Works with little noise.

42H2001¼—Outfit, as described. Shipping weight, 150 lbs. Price..**$34.85**

42H1876¼—China Tank only, to fit siphon washdown bowl. Shipping weight 70 pounds. Price.....**$14.75**

42H1877¼—China Tank only, to fit siphon jet bowl. Price.....**$14.85**

For iron pipe connection add 50 cents.



Self Acting Hopper Closet.

Automatically flushes bowl when seat is pressed down. For basements, factories and places where there is no danger of freezing. Not frostproof. Especially suited for public places, etc. Cast iron bowl, [illegible] enameled inside and painted outside. Solid oak seat. For ½, ⅝ or ¾-in. lead pipe. Shpg. wt., about 45 pounds.

42H1862¼—Complete.....**$9.20**
Tapped for ½-inch iron pipe, 50 cents extra.

Ridgeland Closet Outfit.

Outfit, with white vitreous tank. Improved brass flushing mechanism, china lever pull and nickel plated supply pipe to floor. Solid birchwood seat and cover with beautiful hand rubbed snow white finish. Siphon washdown bowl. Practical, sanitary and moderate in price. Shpg. wt., 95 lbs.

42H2008¼—Price.....**$31.50**

42H1894¼—Siphon Washdown Bowl only. Shpg. wt., 50 lbs. Price **$8.75**

Oak and Mahogany Finished Closet Seats.

42H1866¼ Golden Oak Closet Seat. Strong and well made. Nickel plated brass hinges. Easily attached to any closet bowl. Shpg. wt., 10 lbs. Price.....**$2.85**

42H1867¼—Closet Seat same as above, birchwood, mahogany finish **$2.98**

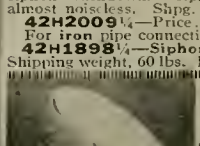
42H1868¼ — Golden Oak Closet Seat with back piece. Nickel plated brass hinges. Used on wooden frame with 42H1900¼ bowl shown on opposite page. Shpg. wt., 13 lbs. Price.....**$3.30**

Avondale Closet Outfit.

Same as our Ridgeland Closet Outfit 42H2008¼ described at left, except furnished with siphon jet bowl instead of siphon washdown. Siphon jet bowl is almost noiseless. Shpg. wt., 105 lbs.

42H2009¼—Price.....**$40.50**
For iron pipe connection add 50 cents.

42H1898¼—Siphon Jet Bowl only. Shipping weight, 60 lbs. Price. **$16.00**



White Closet Seat.

42H1864¼ Solid birchwood. Beautiful hand rubbed white finish nickel plated brass hinges. A high grade sanitary seat, strongly made. This is same seat as furnished with Ridgeland and Avondale Outfits above. Shipping weight, 10 pounds. Price.....**$7.50**

HANDSOME, SANITARY, EASY TO CLEAN

Montrose Pedestal Lavatory.

Size, 20x24 inches, 11x15-inch bowl. Beautiful, sanitary cast iron, white porcelain enameled from floor up. Fuller faucets, white china handles, supply pipes, P trap and Model waste, all brass, nickel plated. **Shipped from LAYTON PARK, WIS.** Shpg. wt., 200 lbs.

42H3756⅓—Complete with trimmings, with pipes to wall. Price..**$36.90**

42H3757⅓—Complete with trimmings, with pipes to floor. Price..**$37.60**

For **iron** pipe connection add 75 cents.

Silver Lake Lavatory.

18x24 inches, 11x15-inch bowl, 10-inch back. Cast iron, white porcelain enameled. All trimmings brass, nickel plated, with Model lifting waste and air chambered supply pipes as shown. **Shipped from LAYTON PARK, WIS.** Shipping weight, 110 pounds.

42H3738⅓—Complete with trimmings, with pipes to wall. Price..**$24.30**

42H3739⅓—Complete with trimmings, with pipes to floor. Price..**$25.00**

If wanted for **iron** pipe add 75 cents.

42H3740⅓—Lavatory only, with Model waste and coupling. No other trimmings. Price.....**$15.40**

Kenilworth Lavatory.

18x24 inches, 11x15-inch bowl, 10-inch back. Cast iron, white porcelain enameled. All trimmings brass, nickel plated. Has air chambered supply pipes. **Shipped from LAYTON PARK, WIS.** Shipping weight, 100 pounds.

42H3732⅓—Lavatory, complete with trimmings, with pipes to wall, as shown. Price..**$19.90**

42H3733⅓—Lavatory, complete with trimmings, with pipes to floor. Price.....**$20.60**

For **iron** pipe connection add 75c.

42H3734⅓—Lavatory only, with waste plug with coupling, chain and chain stay. No other trimmings. Price.....**$11.70**

Pocahontas Lavatory.

Length on side, 16½ inches. Bowl 10x14 inches. Back, 6 inches high. Cast iron, white porcelain enameled. All trimmings brass, nickel plated. For small bathrooms, etc., where space is limited. **Shipped from LAYTON PARK, WIS.** Shpg. wt., 60 lbs.

42H3772⅓—Lavatory, complete with trimmings, with pipes to wall, as shown. Price.....**$13.50**

42H3773⅓—Complete with trimmings, with pipes to floor. Price.....**$14.85**

Above prices are for lead pipe connection. If wanted for **iron** pipe add 75c.

42H3774⅓—Lavatory only, with waste plug with coupling, chain and chain stay. No other trimmings. Price..**$7.80**

Kenmore Closet Outfit.

Same as Outfit 42H2002¼ described at left, except that bowl is siphon jet pattern, almost noiseless in its flushing action.

42H2003¼—Outfit, complete as described and illustrated above. Shipping weight, 140 pounds. Price.... **$34.60**

For **iron** pipe connection add 50 cents.

42H1880¼—Tank only, for siphon washdown bowl. Shipping weight, 70 lbs. Price **$14.65**

42H1881¼—Tank, for siphon jet bowl. Price..**$14.75**

Glencoe Closet Outfit.

Has sanitary cast iron, white porcelain enameled tank, large capacity, with improved flushing mechanism. Siphon washdown vitreous earthenware bowl. Seat and cover of birch, mahogany finish, with nickel plated brass hinges. A handsome, sanitary and durable closet combination that will add wonderfully to the appearance of your bathroom.

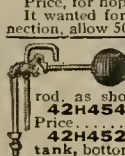
42H2002¼—Outfit, as described and illustrated above. Shipping weight, 130 pounds. Price..... **$26.25**

If wanted for **iron** pipe connection add 50 cents.

Philadelphia Porcelain Enameled Hopper.

42H1900¼—Cast iron, porcelain enameled inside, painted outside. Connect to sewer with a soil trap and pipe. Attach closet seat 42H1868¼ to wall back of hopper. Place stop cock 42H574 (page 734) in inlet pipe to turn water on or off. Shpg. wt , about 22 lbs. Price, for hopper only..... **$3.50**

It wanted for ½-inch **iron** pipe connection, allow 50 cents extra.



Brass Ball Cocks.

Complete with copper ball float and rod, as shown. Shpg. wt., 3 lbs.

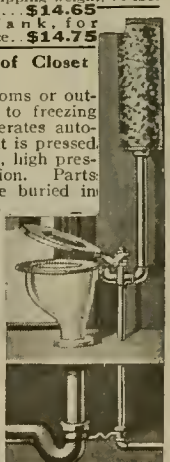
42H454—For low closet tank. Price.....**$1.75**

42H452—For high closet tank, bottom supply. Price.**$1.40**

42H450—For high closet tank, top supply. Price.**$1.60**

Arctic Frostproof Closet Outfit.

For unheated rooms or outbuildings exposed to freezing temperatures. Operates automatically when seat is pressed down. Has strong, high pressure flushing action. Parts below floor can be buried in ground. Trap comes about 3 feet below bowl. Cast iron bowl, white porcelain enameled inside. Galvanized iron tank. Outfit includes bowl, seat, tank, valve, piping and trap, as shown Shpg. wt., 160 lbs.



42H1860¼ Price.....**$26.95**

Iron pipe connection 50 cents extra.

Instructions for installing furnished with each outfit.

Lexington Closet Outfit.

Outfit, with solid oak tank. Improved brass flushing mechanism, china lever pull and nickel plated supply pipe to floor. Solid oak seat and cover. Siphon washdown bowl. Practical, sanitary and moderate in price. Shipping weight, 95 lbs.

42H2007¼—Price..... $21.50

42H1886¼—Oak Tank only, to fit siphon washdown bowl. Shpg. wt., 35 lbs. Price.....**$10.40**

Wilmington Closet Outfit.

Same as Outfit 42H2007¼ above, except with mahogany finish birchwood tank, seat and cover. Shipping weigbt, 95 lbs.

42H2005¼—Price.....$22.50

42H1890¼—Mahogany Finish Closet Tank only, to fit siphon washdown bowl. Shipping weigbt, 35 lbs. Price.....**$11.50**

Fernwood Closet Outfit.

Same as Outfit 42H2007¼ described at left, except furnished with siphon jet bowl. Siphon jet bowl is almost noiseless in its flushing action. Shipping weight, 105 pounds.

42H2004¼—Price.....$30.25

For **iron** pipe connection add 50 cents.

42H1887¼—Oak tank only, to fit siphon jet bowl. Price.....**$11.50**

42H1898½—Siphon Jet Bowl only. Shipping weight, 60 lbs. Price...**$16.00**

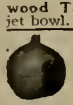
Deerfield Closet Outfit.

Same as Fernwood Closet Outfit 42H2004¼ described above, except tank and seat are birchwood with fine mahogany finish. An exceptionally high grade, strictly sanitary outfit, suitable for the finest residence.

42H2006¼—Outfit, complete as described. Shpg. wt., 105 lbs. Price..**$30.90**

For **iron** pipe connection add 50 cents.

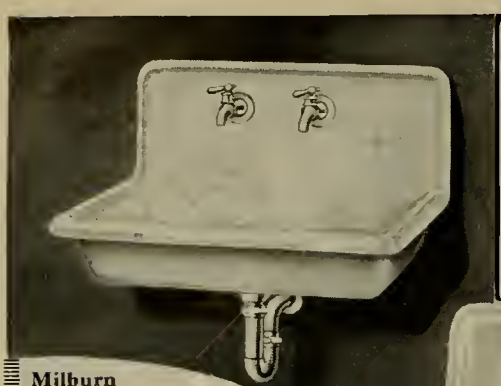
42H1891¼—Mahogany Finish Birchwood Tank only, as above, to fit siphon jet bowl. Shpg. wt., 35 lbs. Price **$11.60**



Rubber Ball Valves.

42H324—Standard thread, for attaching to valve stem. Shipping weight, about 6 ounces. 2-in..**18c**; 2½-in..**20c**; 2¾-in..**23c**

Porcelain Enameled One Piece Sinks



Milburn Roll Rim Sink.

Cast iron white porcelain enameled. Prices are for sinks with lead pipe connection.

42H3800⅓—Sink complete with trimmings, faucets and trap to wall, as shown.

Size, In.	Shpg. Wt., Abt., Lbs.	Price	Size, In.	Shpg. Wt., Abt., Lbs.	Price
18x24	96	$16.20	20x30	130	$18.55
20x24	104	17.90	20x36	145	20.55
18x30	125	17.55	22x42	200	24.70

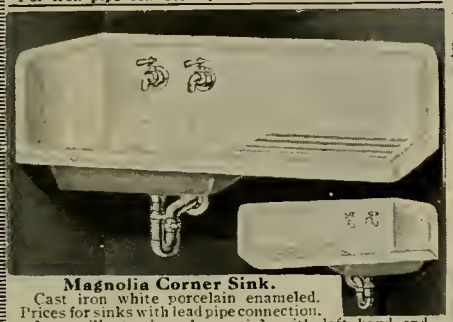
42H3801⅓—Sink complete with trimmings, trap to floor and faucets.

Size, In.	Shpg. Wt., Abt., Lbs.	Price	Size, In.	Shpg. Wt., Abt., Lbs.	Price
18x24	96	$16.95	20x30	130	$19.30
20x24	104	18.65	20x36	145	21.30
18x30	125	18.30	22x42	200	25.45

42H3802⅓—Sink only, with strainer and tailpiece.

Size, In.	Shpg. Wt., Abt., Lbs.	Price	Size, In.	Shpg. Wt., Abt., Lbs.	Price
18x24	92	$10.65	20x30	125	$13.00
20x24	100	12.00	20x36	140	15.00
18x30	120	12.10	22x42	190	19.10

All above sinks shipped from Layton Park, Wis. For iron pipe connection, add 75c.



Magnolia Corner Sink.

Cast iron white porcelain enameled. Prices for sinks with lead pipe connection.

Large illustration shows sink with left hand end piece and right hand drain board. Small illustration shows sink with right hand end piece and left hand drain board. **For iron pipe connection, add 75c to all prices.**

Sink complete with trimmings, faucets and trap to wall.

42H3803⅓—With right hand drain board like large illustration.

42H3804⅓—With left hand drain board like small illustration.

	44 in.	48 in.	52 in.
Entire length			
Size of sink	20x26 in.	20x26 in.	20x28 in.
Shipping wt., about	225 lbs.	235 lbs.	245 lbs.
Price	$31.40	$32.75	$35.60

Sink complete with trimmings, trap to floor and faucets. Shipping weights, same as above.

42H3805⅓—With right hand drain board.

42H3809⅓—With left hand drain board.

	44 in.	48 in.	52 in.
Entire length			
Size of sink	20x26 in.	20x26 in.	20x28 in.
Price	$32.10	$33.50	$36.30

Sink only, with strainer and tailpiece.

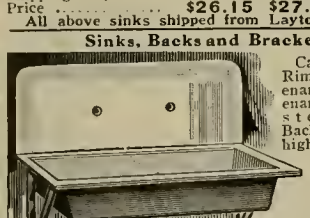
42H3810⅓—With right hand drain board.

42H3811⅓—With left hand drain board.

	44 in.	48 in.	52 in.
Entire length			
Size of sink	20x26 in.	20x26 in.	20x28 in.
Shipping wt., about	220 lbs.	230 lbs.	240 lbs.
Price	$26.15	$27.75	$30.55

All above sinks shipped from Layton Park, Wis.

Sinks, Backs and Brackets.

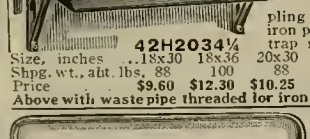


42H2034¼

Cast Iron Flat Rim Sink, white enameled inside, enameled back, steel brackets. Back, 12 inches high with holes for two faucets. Furnished with strainer, strainer bolts, and trap coupling threaded for iron pipe. Faucets or trap not included.

Size, inches	18x30	18x36	20x30	20x36	20x40
Shpg. wt., abt. lbs.	88	100	88	101	110
Price	$9.60	$12.30	$10.25	$13.60	$15.90

Above with waste pipe threaded for iron pipe, 25c extra.

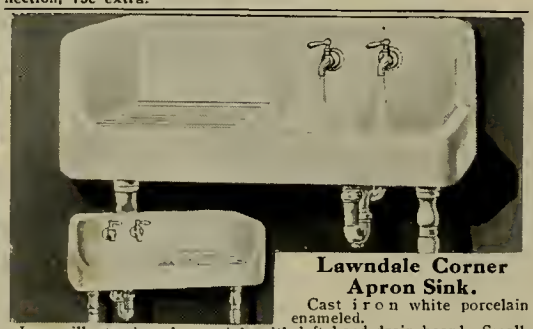


Cast Iron Sink Backs.

Porcelain enameled, for flat rim sinks, 12 in. high and 2¼ in. deep.

42H1481¼

Length, inches	24	30	36	40
Shpg. wt. abt., lbs.	30	38	45	50
Price	$3.85	$4.20	$5.25	$5.60



Elmwood Double Drain Board Roll Rim Sink With Legs.

Cast Iron White Porcelain Enameled.

42H3812⅓—Complete with faucets and trap to wall. Length over all, 62 inches. Size sink, 20x26 inches. Drain boards, 20x18 inches. Shpg. wt., about 330 lbs. Price **$42.55**

42H3813⅓—Complete with faucets and trap to floor. Shipping weight, same as above. Length over all, 62 inches. Size sink, 20x26 inches. Drain boards, 20x18 inches. Price **$43.20**

42H3814⅓—Sink only, with strainer and tailpiece. Length over all, 62 inches. Size sink, 20x26 inches. Drain boards, 20x18 inches. Shpg. wt., about 320 lbs. Price **$37.25**

All above sinks shipped from Layton Park, Wis. Iron pipe connection, 75c extra.

Lawndale Corner Apron Sink.

Cast iron white porcelain enameled.

Large illustration shows sink with left hand drain board. Small illustration shows sink with right hand drain board.

Sink complete with trimmings, faucets and trap to wall.

42H3827¼—With left hand drain board and end piece.

42H3828⅓—With right hand drain board and end piece.

	44 in.	48 in.	52 in.
Entire length			
Size of sink	20x26 in.	20x26 in.	20x28 in.
Shipping weight, about	260 lbs.	280 lbs.	300 lbs.
Price	$44.00	$47.95	$51.20

Sink complete with trimmings, trap to floor and faucets.

42H3829⅓—With left hand drain board and end piece. Price	44.80	48.70	51.95
42H3833⅓—With right hand drain board and end piece. Price	44.80	48.70	51.95

Sink only, with strainer and tailpiece.

42H3834⅓—With left hand drain board and end piece. Price	38.50	42.40	45.65
42H3835⅓—With right hand drain board and end piece. Price	38.50	42.40	45.65

All above sinks shipped from Layton Park, Wis. Iron pipe connection, 75c extra.

Cast Iron Kitchen Sinks.

The Old Reliable Cast Iron Flat Rim Sink. Furnished with genuine white porcelain enamel finish inside and painted finish outside; also with painted finish inside and outside. Both styles quoted below. Regularly furnished for lead pipe connection.

Threaded for 1¼ or 1½-inch iron pipe, 25c extra.

Size, over all	16x24	18x30	18x36	20x30	20x36	20x40
Shpg. wt., abt., lbs.	40	48	55	56	68	80
42H1479¼—Painted inside and out	$2.45	$2.95	$3.40	$3.25	$4.10	$ 4.55
42H1480¼—Porcelain enameled inside, painted outside.	4.70	5.10	6.75	5.75	7.70	10.00

Delphia Corner Roll Rim Sink.

Cast iron white porcelain enameled. Prices are for sinks with lead pipe connection.

Large illustration shows sink with left hand end piece. Small illustration shows sink with right hand end piece.

Sink complete with trimmings, faucets and trap to wall.

42H3845⅓—With left hand end piece.

42H3846⅓—With right hand end piece.

Size	20x24 in.	20x30 in.	20x36 in.
Shipping weight, about	130 lbs.	150 lbs.	160 lbs.
Price	$22.10	$23.80	$26.55

Sink complete with trap to floor and faucets.

42H3847⅓—With left hand end piece. Price	22.85	24.55	27.30
42H3851⅓—With right hand end piece. Price	22.85	24.55	27.30

Sink only, with strainer and tailpiece.

42H3852⅓—With left hand end piece. Price	16.55	18.25	21.00
42H3853⅓—With right hand end piece. Price	16.55	18.25	21.00

All above sinks shipped from Layton Park, Wis. For iron pipe connection, add 75c.

Kitchen Sink Outfit With Cistern Pump.

Gives you fresh water in your home at very small expense. Outfit 42H2028¼ consists of cast iron sink, porcelain enameled inside; pump with 3-inch iron cylinder, fitted for 1¼-inch iron pipe; three steel brackets; pump board; sink trap of cast iron, tapped for 1½-inch iron pipe. Pump should not be placed more than 20 feet above the water in your cistern or well. For the necessary pipe, order 1¼-inch suction pipe and 1½-inch waste pipe.

42H2028¼—Outfit complete with sink.

Size, inches	18x30	18x36	20x30	20x36	20x40
Shpg. wt., abt., lbs.	81	91	83	96	100
Price	$8.85	$10.50	$9.65	$11.60	$13.90

42H1910¼

Reversible cast iron enameled drain board. With iron bracket. For roll rim sinks.

Size, 18x20 in. Shpg. wt., 44 lbs. Price	$5.35
Size, 18x24 in. Shpg. wt., 48 lbs. Price	$5.75
Size, 20x20 in. Shpg. wt., 45 lbs. Price	$5.65
Size, 20x24 in. Shpg. wt., 54 lbs. Price	$6.15

Steel Sink Brackets.

Will fit any sink we carry not having wall hangers. Very neat in appearance. Shpg. wt., 3 lbs. per pair.

42H350—No. 1 Plain, for 16 and 18-in. sinks. Price, per pair **32c**

42H351—No. 2 Plain, for 20-inch sinks and larger. Per pair..**41c**

Pipe Kleen Chemical Solvent.

A chemical preparation for removing accumulations of grease and filth in waste pipes, drains and closet bowls. Quickly cleans out pipe stoppages and saves plumbers' bills. Should be used frequently. Shpg. wt., 1 lb.

42H403—Price **24c**

Kitchen and Corner Sinks

Hiawatha Apron Sink.

Cast iron, white porcelain enameled sink.
Sink complete with trimmings to wall.
42H3888⅓—With right hand drain board, like large illustration.
42H3889⅓—With left hand drain board, like small illustration.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Drain board	20x18 in.	20x22 in.	20x24 in.
Shpg. wt., about	260 lbs.	270 lbs.	290 lbs.
Price	**$39.95**	**$44.25**	**$46.95**

Sink complete with trimmings to floor.
42H3890⅓—With right hand drain board.
42H3891⅓—With left hand drain board.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Drain board	20x18 in.	20x22 in.	20x24 in.
Price	**$40.75**	**$44.95**	**$47.75**

42H3892⅓—Sink only, right hand drain board.
42H3893⅓—Sink only, left hand drain board.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Drain board	20x18 in.	20x22 in.	20x24 in.
Shipping wt., about	250 lbs.	260 lbs.	280 lbs.
Price	**$35.00**	**$39.20**	**$42.00**

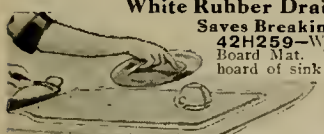
If wanted for iron pipe, add 75c. All above sinks shipped from LAYTON PARK, WIS.

Hollywood Double Drain Board Sink.

Cast iron, white porcelain enameled, double drain board sink with deep apron. Prices are for sinks with lead pipe connections. **For iron pipe connections, add 75c.**
42H3830⅓—Sink complete with trimmings, nickel plated brass waste trap to the wall.
Length over all, 62 in. Size sink, 20x26 in. Drain boards, 20x18 inches. Shipping weight, about 370 pounds.
Price **$54.55**
42H3831⅓—Sink complete with trimmings, nickel plated brass waste trap to floor.
Length over all, 62 in. Size sink, 20x26 in. Drain boards, 20x18 inches. Shipping weight, about 370 pounds.
Price **$55.25**
42H3832⅓—Sink only, with strainer and coupling.
Length over all, 62 in. Size sink, 20x26 in. Drain boards, 20x18 inches. Shipping weight, about 360 pounds.
Price **$48.75**
All above sinks shipped from LAYTON PARK, WIS.

White Rubber Drain Board Mat.

Saves Breaking Dishes.



42H259—White Rubber Drain Board Mat. Laid on iron drain board of sink prevents breaking dishes. Both sides corrugated. Shipping wt., about 4 pounds.

Size, inches	15½x15½	16x18	16x22	18x18	18x22
Price	**$1.50**	**$1.55**	**$1.85**	**$1.80**	**$2.15**

All our roll rim sinks have 12-inch high back and 2¼-inch roll rim. Our apron sinks have 12-inch high back and apron 5 inches deep. Inside of sink, roll rim, back, end piece and drain board carefully enameled with white porcelain, while under side of sink is painted.

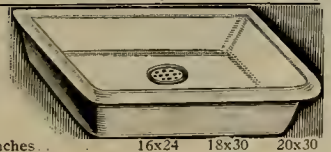
Each roll rim or apron sink fitted with concealed cast iron brackets to hang to wall. In addition the following sinks are furnished with two adjustable painted iron legs, as they are too heavy to be supported by wall hangers only. Hollywood, Hiawatha, Claremont, Elmwood and Lawndale. If these sinks are wanted with porcelain enameled legs, allow $4.00 extra. Any sink furnished with wall brackets only can be fitted with adjustable iron legs for $1.50 extra for each leg, or with adjustable porcelain enameled iron legs for $3.50 extra for each leg.

Sheet Steel Sinks Will Not Break.

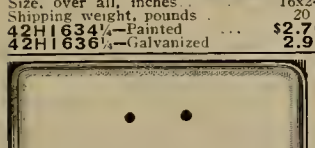
Sheet Steel Sinks with flat rim. Made irum one piece of steel. No seams. Strong, light and durable. Fitted for 1¼-inch lead pipe. **If wanted for 1½-inch iron pipe connection, add 25c.**

Size, over all, inches	16x24	18x30	20x30
Shipping weight, pounds	10	14¼	16½
42H1630¼—Painted	**$2.40**	**$2.95**	**$3.45**
42H1632¼—Galvanized	**2.70**	**3.40**	**3.95**

Roll Rim Sheet Steel Sinks.



Size, over all, inches	16x24	18x30	20x30
Shipping weight, pounds	20	28	32
42H1634¼—Painted	**$2.70**	**$3.15**	**$3.95**
42H1636¼—Galvanized	**2.95**	**3.95**	**4.45**



42H1644¼ Painted Steel Sink Back. Length, 24 in. Shpg. wt., 12 lbs. Price **$1.70**
Length, 30 in. Shpg. wt., 16 lbs. Price **$2.05**

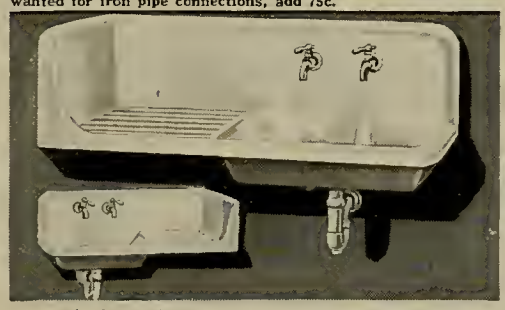
42H1646¼—Galvanized Steel Sink Back.
Length, 24 inches. Price **$2.15**
Length, 30 inches. Price **2.50**

Delaware Roll Rim Sink.

Cast iron, white porcelain enameled, one-piece roll rim sink.
Sink complete with trimmings to wall.
42H3859⅓—With right hand drain board, like large illustration.
42H3860⅓—With left hand drain board, like small illustration.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Drain board	20x18 in.	20x22 in.	20x24 in.
Shipping weight, about	200 lbs.	222 lbs.	234 lbs.
Price	**$26.80**	**$29.15**	**$31.50**

Sink complete with trimmings to floor.
42H3861⅓—With left hand drain board. Price **$27.50** **29.80** **32.20**
42H3862⅓—With right hand drain board. Price **27.50** **29.80** **32.20**
Sink only with strainer and tailpiece.
42H3863⅓—With left hand drain board. Price **$21.00** **23.30** **25.70**
42H3864⅓—With right hand drain board. Price **21.00** **23.30** **25.70**
All above sinks shipped from LAYTON PARK, WIS. If wanted for iron pipe connections, add 75c.



Auburndale Roll Rim Corner Sink.

Cast iron, white porcelain enameled, one-piece roll rim sink
Sink complete with trimmings to wall.
42H3882⅓—With left hand drain board and end piece, like large illustration.
42H3883⅓—With right hand drain board and end piece like small illustration.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Shipping weight, about	235 lbs.	245 lbs.	255 lbs.
Price	**$32.15**	**$34.25**	**$36.65**

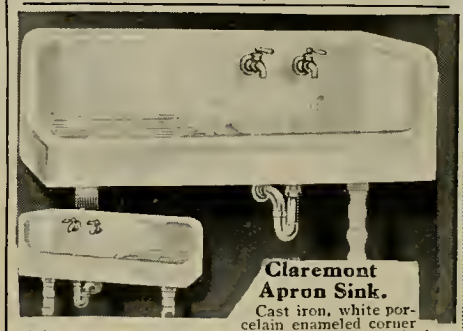
Sink complete with trimmings to floor.
42H3884⅓—With left hand drain board. Price **$32.90** **35.00** **37.40**
42H3885⅓—With right hand drain board. Price **32.90** **35.00** **37.40**
Sink only with strainer and tailpiece.
42H3886⅓—With left hand drain board. Price **$26.60** **28.70** **31.10**
42H3887⅓—With right hand drain board. Price **26.60** **28.70** **31.10**
If wanted for iron pipe, add 75c. All above sinks shipped from LAYTON PARK, WIS.

Hercules Kitchen Sink and Pump Outfit.

Consists of cast iron sink, porcelain enameled inside, 3-inch brass lined pitcher spout pump, 1¼-inch cast iron sink trap to floor with iron pipe connections, pump board, three brackets. Pump threaded for 1¼-inch iron suction pipe. Suction pipe or waste pipe not included.

42H2033¼—Outfit complete with sink.

Size of sink, inches	18x30	18x36	20x30	20x36	20x40
Shipping weight, lbs.	95	105	97	110	115
Price	**$10.50**	**$12.15**	**$11.35**	**$13.30**	**$15.60**



Claremont Apron Sink.

Cast iron, white porcelain enameled corner sink with apron. Prices are for sinks with lead pipe connections. **If wanted for iron pipe, add 75c.**
Complete with trimmings to wall.
42H3794⅓—With left hand drain board, like large illustration.
42H3795⅓—With right hand drain board, like small illustration.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Shipping wt., about	260 lbs.	280 lbs.	300 lbs.
Price	**$44.05**	**$47.95**	**$51.20**

Complete with trimmings to floor.
42H3796⅓—With left hand drain board.
42H3797⅓—With right hand drain board.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Price	**$44.80**	**$48.70**	**$51.95**

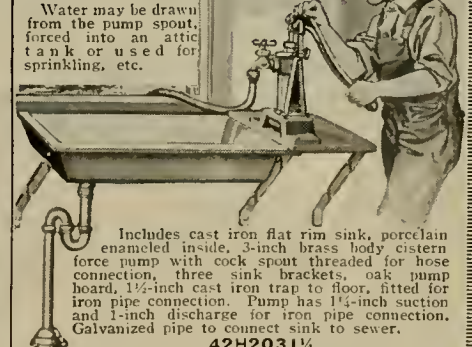
42H3798⅓—Sink only. Left hand drain board.
42H3799⅓—Sink only. Right hand drain board.

Entire length	44 in.	48 in.	52 in.
Size of sink	20x26 in.	20x26 in.	20x28 in.
Shipping wt., about	250 lbs.	270 lbs.	290 lbs.
Price	**$38.50**	**$42.40**	**$45.65**

All above sinks shipped from LAYTON PARK, WIS.

Perfection Kitchen Sink and Pump Outfit.

Water may be drawn from the pump spout, forced into an attic tank or used for sprinkling, etc.



Includes cast iron flat rim sink, porcelain enameled inside, 3-inch brass body cistern force pump with cock spout threaded for hose connection, three sink brackets, oak pump board, 1½-inch cast iron trap to floor, fitted for iron pipe connection. Pump has 1¼-inch suction and 1-inch discharge for iron pipe connection. Galvanized pipe to connect sink to sewer.

42H2031¼

Size of sink, in	18x30	18x36	20x30	20x36	20x40
Shpg. wt., lbs.	92	96	97	101	111
Price	**$13.60**	**$15.25**	**$14.45**	**$16.40**	**$18.70**

Running Hot Water in Your Home

High Speed Water Motor.

Sharpens Knives, Scissors, Tools and Skates.

For Other Grinding Wheels See Page 855.

Useful and Practical.

Not a toy—a real, useful, practical household article. Requires only 20 pounds water, steam or air pressure. Higher pressure gives greater power. Attaches to any common hose faucet. Quickly sharpens knives, tools or skates. Polishes silverware or brass articles. Operates jewelers' or dentists' lathes, etc.

42H400—Hercules Motor, complete, includes corundum wheel, steel disc, sand paper, 4-inch buffing wheel, polishing stick and V grooved pulley. Shipping weight, 8 pounds.
Price **$4.70**

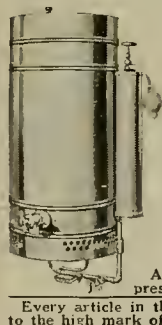
42H402—Rotary Brush Attachment, not included in above, for washing bottles, glasses or fruit jars. Shipping weight, 8 ounces. Price .. **45c**

Instantaneous Water Heater.

State if wanted for natural or artificial gas.

42H1816¼ Instantaneous Gas Water Heater. Connected direct to city pressure. No boiler necessary. Water flows out of side of heater, but water cannot be forced to fixture above heater. Copper, nickel plated. Diameter, 11 inches; height, 30 inches; heats 1½ to 2 gallons per minute to a temperature suitable for all household purposes. ½-in water pipe and ½-inch gas pipe. Shipping weight, 65 pounds.
Price **$32.25**

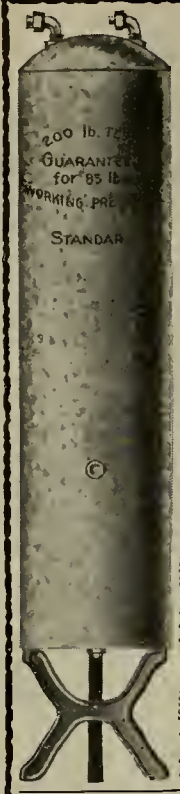
Kerosene Water Heater.



Just the Thing Where Neither City Gas Nor Water Pressure Are Available.

42H1836¼ Kerosene Water Heater. Made of galvanized iron, nickel plated outside. Reservoir holds about 9 gallons of water. Draft chimney is entirely surrounded by water. This makes the water heat quicker. Will heat enough water for bath in fifteen to twenty minutes. Shipping weight, 28 pounds.
Price **$11.75**

Above cannot be connected with water pressure. No range boiler is required.



Hercules Galvanized Range Boilers.

Hercules Range Boilers are strongly made of sheet steel to withstand full water pressure stated below. Cold water connection is made to top of boiler, and a tube extends from this connection down inside of boiler to within twelve inches of bottom. This keeps the cold water from mixing with the hot water, which rises to the top. By connecting one of these range boilers to any of the copper coil heaters quoted on this page or to a coil in your stove or your furnace you can always have a plentiful supply of running hot water at your kitchen sink or other plumbing fixtures.

Our Hercules Range Boilers are well made, heavily galvanized inside and out, and are fully tested and guaranteed for pressures stated.

Prices quoted below on vertical boilers complete include stand, tube and couplings. Prices on horizontal boilers complete include tube and couplings. Stand not required with horizontal boilers. Prices quoted for range boilers only do not include anything except range boiler.

Shipping weights given are for boilers complete. If boiler only is ordered, deduct 10 pounds.

Couplings furnished with complete boilers are for lead pipe; if couplings for iron pipe connections are wanted, add **20 cents** to prices of boilers complete.

Standard Weight Range Boilers.

Tested to 200 pounds and guaranteed for 85 pounds working pressure.

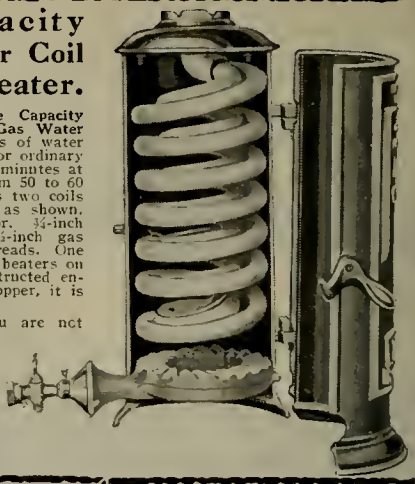
	30	40	52
Approximate capacity, gallons			
Size, inches	12x60	14x60	16x60
Shipping weight, pounds	90	100	125
42H2036¼—Vertical Range Boilers, complete	$9.15	$11.10	$18.35
42H2037¼—Horizontal Range Boilers, complete	9.25	11.20	18.50
42H1802¼—Vertical Range Boilers only	7.35	9.30	15.45
42H1803¼—Horizontal Range Boilers only	7.45	9.40	15.60

Extra Heavy Range Boilers.

Tested to 250 lbs. pressure and guaranteed for working pressure up to 150 lbs.

	30	40	52
Approximate capacity, gallons			
Size, inches	12x60	14x60	16x60
Shipping weight, pounds	95	110	145
42H2038¼—Vertical Range Boilers, complete	$10.20	$12.40	$21.80
42H2039¼—Horizontal Range Boilers, complete	10.30	12.55	21.95
42H1804¼—Vertical Range Boilers only	8.40	10.65	18.90
42H1805¼—Horizontal Range Boilers only	8.50	10.70	19.10

Large Capacity Double Copper Coil Gas Water Heater.

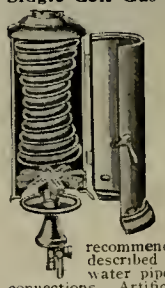


42H1824¼—Large Capacity Double Copper Coil Gas Water Heater. Heats 30 gallons of water to temperature suitable for ordinary household purposes in 40 minutes at a gas consumption of from 50 to 60 cubic feet per hour. Has two coils of ¾-inch copper tubing as shown, cast iron jacket with door. ¾-inch water connection and ½-inch gas connection. Iron pipe threads. One of the most efficient gas heaters on the market. Being constructed entirely of cast iron and copper, it is very durable.

In Summer, when you are not using your stove or furnace, one of these heaters is a necessity.

If you want plenty of hot water and want it quickly, this is the heater to buy. Artificial or natural gas. Shipping weight, 28 pounds.
Price **$7.95**

Single Coil Gas Water Heater.



42H1822¼ Heats 30 gallons in one hour. Cast iron jacket. Note the conical shape of the copper coil, which adds greatly to the efficiency of the heater. Very efficient and satisfactory where a moderate amount of hot water is required. If a great amount of hot water is used, we recommend Heater 42H1824¼, described above. ¾-inch water pipe, ½-inch gas pipe connections. Artificial or natural gas. Shipping wt., 24 lbs. Price **$7.25**

Hercules Kerosene Heater.

42H1834¼—Will heat about 10 gallons of water per hour to a temperature suitable for ordinary household purposes. Will burn twelve hours on one gallon of kerosene. An inexpensive means of supplying hot water in the country home having running water but no city gas. Four spiral copper coils, cast iron jacket. Tapped for ¾-inch iron pipe. Removable reservoir holds 1 gallon of kerosene and is fitted with glass tube showing height of oil. Shipping weight, about 47 pounds.
Price **$21.70**

Large Capacity Hot Water Steel Storage Tanks.

For coal burning water heaters to be used with these tanks see page 714.

Standard Weight Steel Storage Tanks, quoted below, are tested to 100 pounds hydrostatic pressure and are guaranteed for a working pressure up to 65 pounds. Extra heavy tanks are tested to 150 pounds hydrostatic pressure and are guaranteed for a working pressure of 100 pounds. All hot water storage tanks have sufficient tappings so that they can be connected either to stand vertically or lay horizontally. Shipped from factory in CENTRAL ILLINOIS.

Prices and Dimensions of Standard Weight Steel Storage Tanks.

Diameter, Inches	Length, Feet	Shpg. Wt., Abt., Lbs.	Capacity, Gallons	Shell	Head	42H3542⅓ Black	42H3543⅓ Galvanized
24	5	310	120	5/32	3/16	$31.90	$52.20
24	6	350	140	5/32	3/16	34.75	58.25
30	6	470	220	5/32	¼	44.85	74.45
30	8	580	295	5/32	¼	54.75	92.00

Prices and Dimensions of Extra Heavy Steel Storage Tanks.

Diameter, Inches	Length, Feet	Shpg. Wt., Abt., Lbs.	Capacity Gallons	Shell	Head	42H3544¼ Black	42H3545¼ Galvanized
24	5	390	120	3/16	¼	$35.50	$ 56.35
24	6	440	140	3/16	¼	40.25	63.70
30	6	590	220	3/16	5/16	51.35	82.90
30	8	720	295	3/16	5/16	62.75	101.20

Every article in this catalog must measure up to the high mark of quality we have set for our merchandise. Our large staff of experts have elaborate testing laboratories and apparatus at their command and they are constantly inspecting and testing our merchandise so that this high standard of quality is always maintained. Every article in this catalog must agree with the catalog description in every particular.

Stoneware Laundry Tubs

These stationary laundry tubs do away with all lifting and carrying of water, spilling and splashing, etc. You can have an abundant supply of running hot and cold water right at the tubs by simply opening the faucets.

Molded in one solid piece from a special, durable granitine composition material. No seams to leak or catch grease or dirt. Tubs have metal rims and guards. Ornamental cast iron legs. Tubs measure 24 inches from front to back and are 14 inches deep. **Prices quoted on laundry tubs on this page do not include faucets or traps.** Two-part tubs require four faucets and one trap. Three-part tubs require six faucets and one trap. Two-part tubs have one waste outlet. Three-part tubs have two waste outlets. These may be connected together so that only one trap is necessary. Use Drum Trap 42H436, shown on page 733. For laundry tub faucets, see page 734. Shipped from factory in ST. PAUL, MINN., CINCINNATI, OHIO, or CHICAGO, ILL.

All Laundry Tubs quoted on this page are shipped from factory in St. Paul, Minn., Cincinnati, Ohio, or Chicago, Ill.

Two-Compartment Tubs With High Backs.

	42H3870⅓	42H3871⅓	42H3872⅓
Length over all, inches	48	54	60
Size of each tub over all, in.	24x24x15½	24x27x15½	24x30x15½
Shpg. wt., lbs.	450	500	550
Price	$13.30	$15.40	$17.50

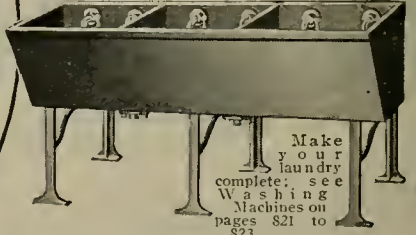
If waste outlet on above tubs is wanted for iron pipe connections, add **25 cents.**

For Laundry Stoves and Coal Burning Water Heaters See Our General Catalog.

Two-Compartment Tubs.

	42H3873⅓	42H3874⅓	42H3875⅓
Length, over all, inches	48	54	60
Size, each tub, over all, in	24x24x15½	24x27x15½	24x30x15½
Shipping weight, pounds	380	400	450
Price	$9.95	$11.20	$12.45

If waste connection on above tubs is wanted for iron pipe, add **25 cents.**



Make your laundry complete; see Washing Machines on pages 821 to 823.

Three-Compartment Tub.

Made in one size only, 72 inches long. Each tub measures 24x24x15½ inches over all. The washing can be done in one tub, the clothes rinsed in the middle tub and the third tub used for bluing. From this last tub the clothes are wrung out into the basket. Shipping weight, 550 pounds.

42H3879⅓—Price **$15.75**
If wanted for iron pipe connections, add **50 cents.**

Bathroom and Kitchen Trimmings

All bathroom trimmings shown on this page, except the white enameled fixtures illustrated immediately below and unless otherwise specified, are made of brass, nickel plated and polished. Nickel plated screws are included with all fixtures that fasten to the wall. For Other Bathroom Hardware See Page 836.

Snow White Fixtures
For the Bath Room Beautiful

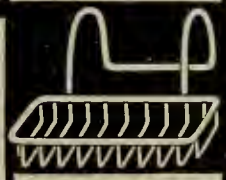
There is nothing that will add more to the beauty and sanitary appearance of your bathroom than these white finish fixtures. Made of steel, white coated by a special process. Easily cleaned and kept clean. Require no polishing. Finish will not wear off. Admired by all.

42H206—Snow White Tooth Brush Holder. Convenient, sanitary. Shipping weight, 5 oz. Price 36c

42H207—Snow White Bath Robe Hook. Useful and appropriate. Shipping weight, 6 oz. Price 15c

42H209—Snow White Toilet Paper Holder. Spring grip black wood roller. Shipping weight, 6 oz. Price 25c

42H1456—White Enameled Bath Stool. Strong and well made of seasoned wood, fine rubbed white finish. Used in or out of tub. Rubber tipped legs. Practical, sanitary and attractive. Shipping weight, 4 pounds. Price $2.55



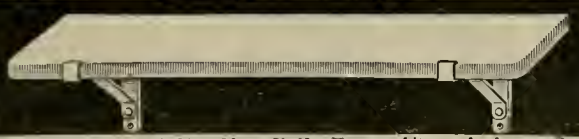
42H205—Snow White Bathtub Soap Dish. Fits over rim of tub. Size, 3½x6 inches. Shipping weight, 12 oz. Price 55c

42H208—Snow White Tumbler Holder. Shipping wt., 8 oz. Price 50c

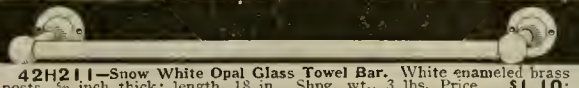
42H203—Snow White Soap Dish. Size, 4½x3¼ inches. Shipping wt., 8 oz. Price 60c

42H231 Sanitary White Opal Tumbler. Fits any holder on page. Shpg. wt., 8 oz. 22c

42H204—Snow White Wall Soap Dish. Size, 3½x6 inches. For lavatory or sink. Shipping weight, 10 oz. Price 52c

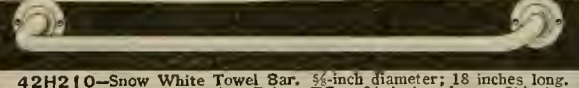


42H267—Snow White Glass Shelf. Heavy white opal glass with rounded outside corners. Strong white enameled steel brackets. Shipping weights, 5½ and 7 lbs. Size, 5x18 in., **$1.70**; 5x24 in **$1.95**



42H211—Snow White Opal Glass Towel Bar. White enameled brass posts, ⅝ inch thick; length, 18 in. Shpg. wt., 3 lbs. Price **$1.10**; length, 24 in. Shpg. wt., 4 lbs. Price **$1.25**

42H212—Same as above, 1 inch thick. Length, 18 in. Shpg. wt., 3½ lbs. Price, **$1.70**; length, 24 in. Shpg. wt., 5 lbs. Price. **$1.95**



42H210—Snow White Towel Bar. ⅝-inch diameter; 18 inches long. Shipping weight, 2¼ pounds. Price, **75c**; 24 inches long. Shipping weight, 2½ pounds. Price..... 90c

Shower Bath Outfit.

42H1467 Easily attached in a few minutes. Fits bathtub faucet. Has nickel plated head, 24-inch curtain ring, white fabric curtain, rubber tube, curtain chain and hook, waterproof cap for protecting hair, and screws to fasten to wall. Shower bath may be taken without wetting the floor or walls of your bathroom. Just the thing for taking a nice, cool, invigorating shower before leaving the tub. Shpg. wt., about 12 pounds. Price $8.95

42H280¼—Bathroom Oval Mirror. Has white enameled metal frame. Size, 10x20 inches. Neat and attractive, especially appropriate for the bathroom. Shpg. wt., 10 lbs. Price $1.98

42H273—Siphon Bath Spray Brush. Just the thing for taking a shower bath in the country home without plumbing or running water. Fill bucket with water heated to any desired temperature. Then press bulb and water will flow through spray brush until pail is empty; 6 feet of rubber hose with siphon. Water flows out between rubber teeth of rubber brush. Any ordinary bucket and tub may be used, as shown. Bucket or tub not included. Shipping weight, 3½ pounds. Price $2.75

Shower Bath Outfit.

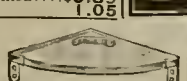
42H274—Shower bath outfit. Made of nickel plated brass with eight feet of white rubber tubing and special slipover connector which fits any standard bathtub faucet. Temperature of water easily controlled by bathtub faucet. Bracket easily attached to wall with screws in a few minutes as illustrated. Nickel plated screws furnished. A cool, refreshing shower should always be taken before leaving the bath. Shipping weight, 4 lbs. Price $3.95

Bathtub Seats. Hooks over rim at each side of tub. Made of hardwood in natural wood finish or white enameled. Steel rods nickel plated and rubber covered to protect enamel on tub. Shipping weight, about 7½ pounds.

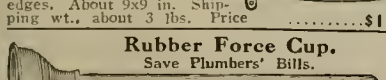
42H264—Natural wood finish....$0.89
42H263—White enamel 1.05

Plate Glass Shelf.

42H269—¼-Inch Glass Corner Shelf. Rounded edges. About 9x9 in. Shipping wt., about 3 lbs. Price $1.90



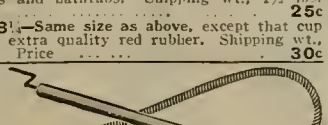
Rubber Force Cup.
Save Plumbers' Bills.



42H326¼—For forcing out stoppages and cleaning waste pipes, closets, sinks, wash bowls and bathtubs. Shipping wt., 1½ lbs. Price 25c

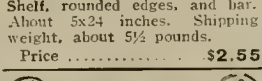
42H328¼—Same size as above, except that cup is made of extra quality red rubber. Shipping wt., 1½ pounds. Price 30c

Closet Clean Out Auger.

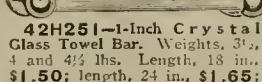


42H329—Steel spring clean out auger. Removes stoppages in sink traps, sewer pipes and closet bowls QUICKLY AND EASILY. Length, 55 in. Shipping weight, 2 pounds. Price $1.75

42H266—¼-Inch Crystal Shelf, rounded edges, and bar. About 5x24 inches. Shipping weight, about 5½ pounds. Price $2.55

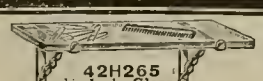


42H251—1-Inch Crystal Glass Towel Bar. Weights, 3½, 4 and 4½ lbs. Length, 18 in., **$1.50**; length, 24 in., **$1.65**; length, 30 inches ..$1.80

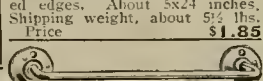


42H250—Crystal Glass Towel Bar, ⅝ inch thick. Nickel plated bracket. Shipping weight, 3 pounds.

Length, 18 inches.....85c
Length, 24 inches..... 98c

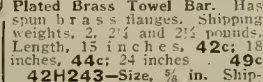


42H265 ¼-Inch Glass Shelf. Rounded edges. About 5x24 inches. Shipping weight, about 5½ lbs. Price $1.85

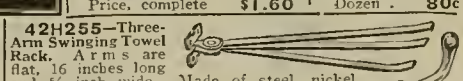


42H242—½-Inch Nickel Plated Brass Towel Bar. Has cast brass flanges. Shipping weights, 2, 2¼ and 2½ pounds. Length, 15 inches, **42c**; 18 inches, **44c**; 24 inches **49c**

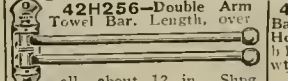
42H243—Size, ⅝ in. Shipping weights, about 2¼, 2½ and 3½ pounds. Length, 18 inches, **59c**; 24 in., **70c**; 30 in. **80c**



42H246—¾-Inch Nickel Plated Brass Towel Bar. Has cast brass flanges. Shipping weight, about 3 pounds. Length, 18 in., **70c**; length, 24 in., **85c**; length, 30 inches **90c**

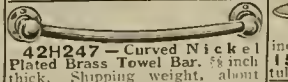


42H255—Three-Arm Swinging Towel Rack. Arms are flat, 16 inches long and ⅝ inch wide. Made of steel, nickel plated. Shipping wt., 8 oz. Price 60c



42H256—Double Arm Towel Bar. Length, over all, about 12 in. Shpg. wt., abt. 8 oz. Price 67c

42H201 Bath Robe Hook. Double. Shpg. wt., 5 oz. Each.$0.10
Dozen 1.15



42H247—Curved Nickel Plated Brass Towel Bar. ⅝ inch thick. Shipping weight, about 2½ lbs. Length, 18 inches, **56c**; length, 24 inches **64c**

42H1400 Rubber Plug. Wt., about 3 ounces. 1-inch for wash bowl, **15c**; 1½-inch for bathtub **18c**

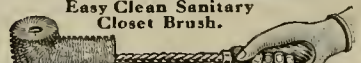
Tooth Brush Holder.

42H257 Nickel Plated Tooth Brush Holder, for six brushes. Shpg. wt., about 3 oz. Price **17c**

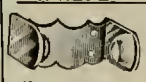
42H221—Comb and Brush Tray. Nickel plated. Size, about 4x10 in. Shpg. wt., abt. 12 oz. Price..**78c**
For Ivory Dresser Trays see page 467.

42H262—Combination Massage Brush and Spray. Has 2½-in. perforated brass spray head and detachable rubber perforated massage brush which slips over spray head. Water flows out between rubber teeth, so that thorough shower and massage may be taken at same time. Five feet rubber tubing, aluminum faucet attachment. Shpg. wt., 2 lbs. Price .. $1.25

Easy Clean Sanitary Closet Brush.



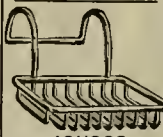
Bristles on heavy wire. Shpg. wt., about 1 lb.
42H271—First grade palmetto fibers....18c
42H272—Selected white fibers 20c



42H275 Toilet Paper Holder. Spring sides. No roller necessary. Shipping wt., abt. 6 oz. Price 65c

42H270 Toilet Paper Holder. Ornamental pattern, Shpg. wt., about 9 oz. .42c

42H227 Tooth Brush and Tumbler Holder. Shipping weight, about 9 oz. Price..67c



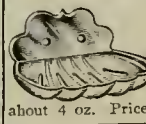
42H225 Tumbler Holder. Shpg. wt., 8 oz. Price.. 56c

42H226 Same, without hook . . 53c

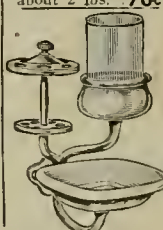
42H223 Soap Dish for Rim of Bathtub. Size, about 4x5 inches. Shpg. wt., about 12 oz. Price 46c

42H222 Wall Soap Cup, with ring hook. Nickel plated. Shpg. wt., about 8 oz. Price. .42c

42H224 Wall Soap Cup, with removable opal glass dish. Size, about 3½x5½ in. Shpg. wt., about 2 lbs. 70c



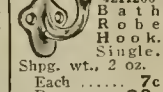
42H220 Wall Soap Cup, Nickel plated. Size, abt. 2¾x4¼ in. Shpg. wt., about 4 oz. Price . 21c



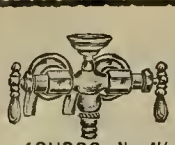
42H229 Combination Tumbler and Soap Holder. Made of brass, heavily nickel plated. Shpg. wt., about 12 oz. Price . 88c

42H230 Wall Soap and Tumbler Holder with removable opal glass soap dish and tumbler. Shpg. wt., abt. 2½ lbs. Price, complete $1.60

42H232 Wall Soap, Tumbler and Tooth Brush Holder with removable glass dish and tumbler. Shpg. wt., abt. 2¼ lbs.... $2.10



42H200 Bath Robe Hook. Single. Shpg. wt., 2 oz.
Each 7c
Dozen . 80c



High Quality Bath Cocks. Fit Any Standard Bathtub.

42H336—No. 4½ Fuller Combination Hot and Cold Bath Cock. Brass, nickel plated. Size, ½ in. Shipping weight, 4 pounds.
Price $3.45

42H338 — Nickel Plated Brass Compression Bath Cock. Combination hot and cold. Size, ½ in. Shpg. wt., 3½ lbs.
Price $3.50

Above threaded for iron pipe, 50 cents extra.

42H334 Fuller Basin Cock. Brass, nickel plated. Size, ⅜ in. In ordering single faucets be sure to state whether left or right hand is wanted. Shipping wt., 2¼ lbs.
Price $1.40

42H330 Compression Basin Cock. Low down pattern. Lettered hot or cold. State which is wanted. Brass, nickel plated. Size, ⅜ in. Shipping wt., 2 lbs.
Price $1.25

Waste Connections for Bathtubs.

Connected Bathtub Waste and Overflow.

42H320 Used to combine waste and overflow openings on bath tub into one connection. Nickel plated brass, with slip joints and floor flange. Size, 1⅜ in. Shpg. wt., 3½ lbs.
Price $2.40

Combination Bath Waste and Overflow With Trap.

42H322 With trap above floor. Nickel plated brass. Cast S trap above floor with clean out and slip joint and flange. Size, 1½ in. Shpg. wt., 6 lbs.
Price...$4.90

Above threaded for 1½-inch iron pipe, 50 cents extra.

Basin Supply Pipes.

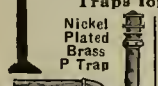
42H312—Plain Wall Supplies. Brass, nickel plated, with flanges, ⅜ in. Shpg. wt., 1½ pounds.
Price, per pair.....$1.20

42H314—Plain Straight Supplies, ⅜ inch, complete with flanges. Brass, nickel plated. Shpg. wt., 3 lbs.
Price, per pair.....$1.35

Bath Supply Pipes.

42H315 Plain Offset, with flanges. Brass, nickel plated. Size, ½ in. Shpg. wt., 3 lbs. Price, per pair..$2.05

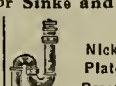
Traps for Sinks and Lavatories.



Nickel Plated Brass P Trap. Shpg. wt., abt. 3 lbs.

42H306 Size, 1¼ in., for lavatories.
Price $2.30

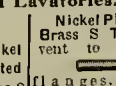
42H307 Size, 1½ in., for sinks.
Price $2.60



Nickel Plated Brass S Trap. Shpg. wt., abt. 5 lbs.

42H308 1¼ in., for lavatories.
Price...$2.90

42H309 1½ inches, for sinks.
Price...$3.30



Nickel Plated Brass S Trap, vent to wall flanges. Shpg. wt., abt. 5¾ lbs.

42H310 1¼ in., for lavatories.
Price, $3.40

42H311 1½ in., for sinks. Price $3.80

Above threaded for iron pipe, 50 cents extra.

Protect Y... ...ainst Fire With... ...hemical Fire Extinguisher.

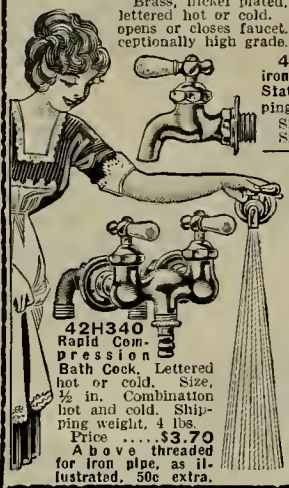
Approved by the National Board of Fire Underwriters.

One of the most effective fire extinguishers on the market. Puts fire out almost instantly. "Hercules" is our own registered trade mark. How much would you be willing to pay for a reliable extinguisher in case of an actual fire starting in your home? How long would it take a fire to burn $14.40 worth of clothing, property, etc., to say nothing of a possible loss of life? Think it over. To operate, turn extinguisher upside down and direct stream to base of fire. Pressure is automatically generated, and liquid chemical when coming in contact with fire generates gas which envelopes the fire and quickly smothers flame. Shipping weight, about 23 lbs.

42H1776¼—Price $14.40

Rapid Compression Faucets. "One-Quarter Turn Does It."

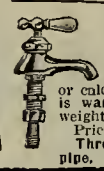
Brass, nickel plated, with white China handles, lettered hot or cold. One-quarter turn of handle opens or closes faucet. Very latest pattern. Exceptionally high grade. Well made, well finished.



42H344 — Plain Bibb for iron pipe. Lettered hot or cold. State which is wanted. Shipping wt., about 1½ and 2 lbs.
Size, ½ inch. Price..$1.15
Size, ¾ inch. Price.. 1.30

42H348 Hose Bibb for iron pipe. Shipping wt., 1½ and 2 pounds.
Size, ½ in. Price. $1.30
Size, ¾ in. Price.. 1.40

42H340 Rapid Compression Bath Cock. Lettered hot or cold. Size, ½ in. Combination hot and cold. Shipping weight, 4 lbs.
Price $3.70
Above threaded for iron pipe, as illustrated. 50c extra.



42H332 Basin Cock. Size, ⅜ inch. Lettered hot or cold. State which is wanted. Shipping weight, 2¼ lbs.
Price $1.25
Threaded for iron pipe, 25c extra.

Rubber Fuller Balls.

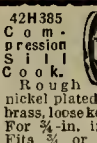
Size Bibb, Inch	42H1402 Cold, Dozen	42H1403 Hot, Dozen
½	8c	10c
⅝	10c	12c
¾	18c	22c

Compression Bibb Washers.

42H1404 Size, ½ inch. Price, per dozen.....7c

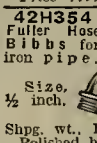
42H1405 Size, ⅝ inch. Price, per dozen.....10c

For Lubricators, Oil Cups and Engine Room Supplies see page 723. For information as to what uses various articles on this page are put, see our Plumbing Instruction Book 7777GC. Sent on request.



42H385 Compression Sill Cock. Rough nickel plated brass, loose key. For ¾-in. iron pipe. Fits ¾ or ½-inch hose coupling. Shpg. wt., 1 lb.
Price 84c

42H364 Fuller Pattern Hose Bibbs for iron pipe. Polished brass.
Size, ½ in. Shpg. wt., 1 lb. Price.....84c
Size, ¾ in. Shpg. wt., 1¼ lbs. Price.....91c

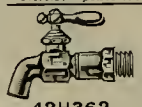


42H354 Fuller Hose Bibbs for iron pipe. Size, ½ inch. Shpg. wt., 1 lb.
Polished brass....$1.05
Nickel plated.... 1.15

42H355—Size, ¾ in. Shipping weight, 1¼ lbs.
Polished brass....$1.15
Nickel plated.... 1.20

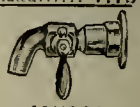
42H352 Fuller Plain Bibbs with flange. For iron pipe. Size, ½ in. Shpg. wt., 1 lb.
Polished brass.....$0.98
Nickel plated..... 1.05

42H353—Size, ¾ inch. Shipping weight, 1¼ pounds.
Polished brass.....$1.10
Nickel plated..... 1.15



42H362 Fuller Pattern Plain Bibbs for iron pipe. Polished brass.
Size, ½ inch. Shpg. wt., 14 oz.
Price 77c
Size, ¾ inch. Shpg. wt., 1 lb.
Price ... 84c

42H356 Nickel plated brass. Has china handle. Lettered hot or cold.
Size, ½ in. Shpg. wt., 1 lb. Price...$1.30
Size, ¾ in. Shpg. wt., 1¼ lbs. Price...$1.35



42H300 Fuller Laundry Bibbs. Polished brass. For iron pipe. Shpg. weight, about 1¾ lbs. State whether right or left is wanted.
Price
½ inch.....$0.98
¾ inch..... 1.15

42H302 Compression Plain Laundry Bibb. Polished brass, for ½-inch iron pipe. Shipping weight, 8 ounces.
Price 70c

42H304 Compression Hose Laundry Bibb. Polished brass. For ½-inch iron pipe and ½ or ¾-inch hose. Shpg. wt., 8 ounces.
Price.....77c

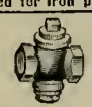
42H342 Plain Compression Bibbs with flange for iron pipe. Polished brass. Size, ½ in. Shpg. wt., 1 lb. Price...84c
Size, ¾ inch. Shpg. wt., 1¼ lbs. Price...98c

42H366 Ground Key Hose Cock, Polished brass.
Size, ½ inch. Shpg. wt., 12 oz.
Price 90c
Size, ¾ inch. Shpg. wt., 1¾ lbs.
Price $1.20
Size, 1 in. Shpg. wt., 2¾ lbs.
Price $2.25

42H372 Polished Brass Ground Key Bibbs for iron pipe.
Size, ½ inch. Shpg. wt., 12 oz.
Price 85c
Size, ¾ inch. Shpg. wt., 1¾ lbs.
Price $1.15
Size, 1 in. Shpg. wt., 2¾ lbs.
Price $2.05

42H546 Brass Square Head Cock. For Shpg.

Pipe, In.	Wt., Lbs.	Price
¼	⅜	$0.34
⅜	½	.40
½	⅝	.50
¾	⅞	.68
1	1½	.95
1¼	2¼	1.50
1½	4	1.95
2	6	2.95



42H548 All Iron Cock. For Shpg.

Pipe, In.	Wt., Lbs.	Price
½	1	$0.50
¾	2	.59
1	3½	.73
1¼	4½	.89
1½	7	1.10
2	10½	1.50
2½	20	2.45
3	31	3.75

42H544 Brass Three-Way Cock. For Shpg.

Pipe, In.	Wt., Lbs.	Price
½	¾	$1.30
¾	1½	1.55
1	2½	1.90
1¼	4	2.95
1½	5¼	3.65
2	9½	5.60

42H574 — Lever Handle Stop. Rough brass. For

Pipe, In.	Shpg. Wt., Abt., Lbs.	Price
½	1¼	$0.62
¾	1½	.88
1	2½	1.55

Hercules Stop Cock.

Combination tee and lever handle, one piece, reversible. Made of high quality brass, with iron handle. Excellent for high pressure work. 42H582 has waste outlet which lets water drain out of pipe when shut off.

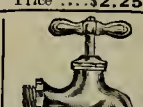
42H580—Hercules Stop Cock. For

Pipe, In.	Shpg. Wt., Lbs.	Price
½	1	$0.77
¾	1¼	1.10
1	2¾	1.95
1¼	3¾	3.25

42H582 Hercules Stop and Waste Cock. For

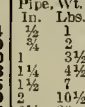
Pipe, In.	Shpg. Wt., Lbs.	Price
½	1	$0.79
¾	1¼	1.15
1	1½	2.00
1¼	2½	3.35

42H346 Compression Hose Bibbs with flange, for iron pipe. Polished brass.
Size, ½ inch. Shpg. wt., 1⅛ lbs. Price..95c
Size, ¾ inch. Shpg. wt., 1¼ lbs. Price.$1.05



42H378 Compression Plain Bibb. For iron pipe. Polished brass. Size, ½ in. Shpg. wt., 1 lb.
Price 70c
Size, ¾ inch. Shpg. wt., 1¼ lbs.
Price 84c

42H374 Compression Hose Bibb. For iron pipe. Polished brass. Size, ½ in. Shpg. wt., 1 lb.
Price 84c
Size, ¾ inch. Shpg. wt., 1¼ lbs.
Price 92c



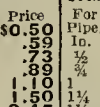
Water Relief Valve.

Solid Brass.

Used on tanks, spray pumps, engine cylinders, etc., to relieve excess water pressure. Furnished at 50 or 100 lbs. State which is wanted.

42H600

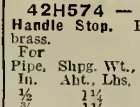
Size, In.	Shpg. Wt., Lbs.	Price
¾	1¾	$ 4.50
1	3	5.40
1¼	4¼	6.70
1½	5¼	8.05
2	10	12.10



42H578 Brass Lever Handle Stop and Waste. Rough finish.

Waste opening permits water to drain out of pipe when shut off.

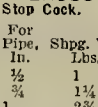
Pipe, In.	Shpg. Wt., Abt., Lbs.	Price
½	1¼	$0.64
¾	1½	.89
1	2¼	1.60
1¼	3¼	2.70
1½	4¼	4.55



Lever Handle Stop With Union. For Water or Gas.

42H572 — Especially recommended for connecting gas stoves to service pipe. Made of brass, rough finish. Threaded for iron pipe.

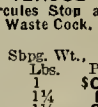
Pipe, In.	Shpg. Wt., Abt., Lbs.	Price
½	2	$1.20
¾	2½	1.55
1	3½	2.15



42H586 Hydrant Cock, T Handle. Rough brass.

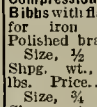
For Pipe, In.	Shpg. Wt., Lbs.	Price
¾	2	$1.10
1	3	1.95
1¼	4¼	3.10

42H588 Hydrant Clamp. Malleable iron. Tapped for ⅜-inch pipe. Give size of hydrant cock. Shpg. wt., about 8 ounces. Price.....6c



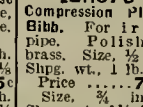
42H584 T Handle Stop. Rough brass.

For Shpg. Pipe, In.	Wt., Lbs.	Price
½	1¼	$0.63
¾	1½	.88
1	2¼	1.55
1¼	3	2.65



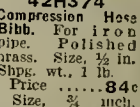
42H576 Stop and Waste. Water drains when shut off. Rough brass.

For Shpg. Pipe, In.	Wt., Lbs.	Price
½	1	$0.63
¾	1¼	.88
1	1¾	1.60
1¼	3¼	2.65
1½	4	4.45



Compression Stop and Waste Cock. Waste opening permits water to drain out of pipe when shut off. Solid brass. One turn of the handle opens or closes.

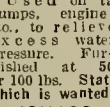
42H583 Size, ½ in. Shipping wt., 1¼ lbs.
Price 95c
Size, ¾ in. Shipping wt., 1⅝ lbs.
Price $1.05



Genuine Jenkins' Horizontal Check Valve.

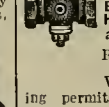
42H570

For Shpg. Pipe, Wt., In.	Lbs.	Price
⅜	¾	$0.95
½	1	1.05
¾	1¾	1.50
1	2½	2.05
1¼	4½	2.85
1½	5¾	3.95
2	10	5.90



42H552 Brass Swing Check Valve. Shpg.

For Pipe, In.	Wt., Abt., Lbs.	Price
¼	1	$0.81
¾	1¼	.91
1	1¾	1.15
1¼	2	1.45
1½	2¾	1.90
2	6	2.70



42H550—Brass Vertical Check Valve.

For Shipping Pipe, In.	Weight, Abt., Lbs.	Price
¼	⅜	$0.32
⅜	½	.34
½	½	.44
¾	¾	.56
1	1¼	.79
1¼	1¾	1.10
1½	2¼	1.55
2	4¼	2.35

42H542 Brass Horizontal Check Valve. Shpg.

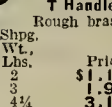
For Pipe, In.	Wt., Abt., Lbs.	Price
¼	½	$0.29
⅜	½	.31
½	¾	.40
¾	1	.50
1	1½	.70
1¼	2¼	.98
1½	3	1.40
2	4¾	2.10

Brass Gate Valve.

Tested to 100 pounds pressure. Used either for steam or water where a full opening (same size of pipe) is required. Bearing of wedge is central, acting uniformly on all parts of disc.

42H536

For Pipe Shpg. Wt., Size, In.	Abt., Lbs.	Price
½	1¾	$0.69
¾	1¾	.86
1	2½	1.20
1¼	4	1.55
1½	5	2.10
2	7½	3.05



Brass Globe Valve.

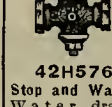
42H538

For Shpg. Pipe, In.	Wt., Abt. Lbs.	Price
¼	⅝	$0.32
⅜	¾	.34
½	⅞	.44
¾	1¼	.56
1	2¼	.79
1¼	3	1.10
1½	4¼	1.55
2	6¼	2.35

Brass Angle Valve.

42H540

For Shpg. Pipe, In.	Wt., Lbs.	Price
¼	½	$0.33
⅜	¾	.35
½	1	.45
¾	1½	.57
1	2¼	.80
1¼	3	1.15
1½	4½	1.55
2	6¼	2.35



Genuine Jenkins' Globe Valve.

42H566

For Shpg. Pipe, In.	Wt., Lbs.	Price
¼	⅞	$0.87
⅜	1¼	.98
½	1¾	1.25
¾	2½	1.75
1	3½	2.20
1¼	5	3.15
1½	7	4.35
2	11	6.90

Genuine Jenkins' Angle Valve.

42H568

For Shpg. Pipe, In.	Wt., Lbs.	Price
¼	1	$0.87
⅜	1¼	.98
½	1¾	1.25
¾	3	1.75
1	3½	2.20
1¼	5½	3.15
1½	7¼	4.35
2	12	6.90

Genuine Jenkins' Disc.

42H1406

For repairing Genuine Jenkins' or Jenkins' Disc Valves. Shipping weight, about 2 ounces.

For valve Size, In.	Price
¼	3c
⅜	4c
½	4c
¾	5c
1	6c
1¼	10c
1½	13c
2	20c

Cast Iron Soil Pipe and Fittings

Soil Pipe Joints Easily Made

Soil Pipe Offsets.

For offsetting soil pipe stack over foundation wall of building.

42H1572¼ Standard. Shpg. Size,	Wt., Lbs.	Price	42H1573¼ Extra Heavy. Shpg. Wt., Lbs.	Price
2x 4	4	$0.37	7	$0.47
2x 6	5	.47	8	.56
2x12	8	.72	14	.87
4x 4	9½	.62	15	.79
4x 6	11	.68	17	.87
4x12	15	1.00	20	1.25

The cast iron soil pipe and fittings shown on this page are of excellent quality. The joints of this pipe are easily made up with calking lead and oakum.

Full instructions for connecting pipe and much other valuable plumbing information will be found in our **Special Plumbing Instruction Book 7777GC**, sent postpaid on request. All prices on soil pipe and soil pipe fittings are subject to market changes.

Single Hub Soil Pipe.

Sold in 5-ft. lengths only.

42H1500¼—Standard. 2-in. size. Shpg. wt., 19 lbs. Price, per 5-foot length **75c**

42H1502¼ Standard. 4-in. size. Shpg. wt., 38 lbs. Price, per 5-ft. length **$1.35**

42H1501¼ — Extra Heavy. 2-in. size. Shpg. wt., 29 lbs. Price, per 5-foot length **90c**

42H1503¼ Extra Heavy. 4-in. size. Shpg. wt., 61 lbs. Price, per 5-ft. length **$1.90**

Double Hub Soil Pipe.

Sold in 5-ft. lengths only.

42H1504¼—Standard. 2-in. Shpg. wt., 19 lbs. Price, per 5-foot length **80c**

42H1506¼ Standard. 4-in. size. Shpg. wt., 36 lbs. Price, per 5-foot length **$1.40**

42H1505¼ — Extra Heavy. 2-in. Shpg. wt., 29 lbs. Price, per 5-foot length **95c**

42H1507¼ Extra Heavy. 4-in. size. Shpg. wt., 62 lbs. Price, per 5-foot length **$2.00**

Prices Subject to Market Changes.

Cast Iron Soil Pipe Increasers.

Required at top of soil stack where going through roof to increase opening and prevent clogging with frost.

42H1556¼ Standard. Size, 2 to 4x 24 in. long. Shpg. wt., 16 lbs. Price **79c**

Standard. Size, 4 to 5x 30 in. long. Shpg. wt., 22 lbs. Price **$1.25**

42H1557¼ Extra Heavy. Size, 2 to 4x24 in. long. Shpg. wt., 17 lbs. Price **95c**

Extra Heavy. Size, 4 to 5x30 in. long. Shpg. wt., 30 lbs. Price **$1.55**

Easily Cut With a Chisel.

Quarter Bends. For Soil Pipe.

42H1514¼ Standard. 2-inch. Shipping weight, 4½ pounds. Price **25c**

Standard. 4-inch. Shipping weight, 8 pounds. Price **45c**

42H1515¼ Extra Heavy. 2-inch Shipping weight, 5 pounds. Price **35c**

Extra Heavy. 4-inch Shipping weight, 16 pounds. Price **55c**

Eighth Bends.

42H1512¼ Standard.

Size, Shpg. Wt., In.	Lbs.	Price
2	3	22c
4	7	40c

42H1513¼ Extra Heavy.

Size, Shpg. Wt., In.	Lbs.	Price
2	5	25c
4	10	50c

Half S Traps.

Size, 4 Inches.

42H1540¼ Standard. Shipping weight, 21 pounds. Price **93c**

42H1541¼ Extra Heavy. Shipping weight, 25 lbs. Price **$1.15**

Half S Trap With Clean Out Hole and Cover.

Size, 4 Inches.

42H1576¼ Standard. Shipping weight, 16 pounds. Price **$1.55**

42H1577¼ Extra Heavy. Shipping weight, 24 lbs. Price **$1.95**

Quarter Bends. With Side Inlet.

Illustration shows bend with right hand side inlet. State whether right or left hand inlet is wanted. Size, 4 inches, with 2-inch side inlet.

42H1524¼ Standard. Shipping weight, 12 pounds. Price **78c**

42H1525¼ Extra Heavy. Shipping weight, 19 lbs. Price **97c**

42H404 Clean Out Ferrule.

Cast iron body, brass screw cover. Placed in soil pipe for clean out. Size, Shpg. Wt.,

In.	Lbs.	Price
2	1½	27c
4	3½	46c

Running Trap With Vent.

Cast Iron, for Soil Pipe.

42H1580¼ Standard. Size, 2 in., with 2-in. vent. Shpg. wt., abt., 7 lbs. Price **79c**

42H1581¼ Extra Heavy. Shipping wt., abt. 10 lbs. Price **97c**

42H1582¼ Size, 4 in., with 4-in. vent. **Standard.** Shipping wt., abt. 24 lbs. Price **$1.40**

42H1583¼ Extra Heavy. Shipping wt., abt. 38 lbs. Price **$1.75**

Clean Out Y With Brass Screw Cover.

Placed in pipe so that it may be cleaned out through opening at side.

42H1594¼ Standard. Size, 2 inches. Shipping wt., 5 pounds. Price **87c**

Standard. Size, 4 inches. Shipping wt., 15 pounds. Price **$1.52**

42H1595¼ Extra Heavy. Size, 2 in. Shipping wt., 7 pounds. Price **$1.15**

Extra Heavy. Size, 4 inches. Shipping weight, 18 pounds. Price **$1.90**

Reducers.

For reducing 4-in. soil pipe to 2 in.

42H1546¼ Standard. Shpg. wt., 4 lbs. Price **25c**

42H1547¼ Extra Heavy. Shpg. wt., 5 lbs. Price. **28c**

Adjustable Roof Flange.

Easily adjustable to fit any pitch of roof. Furnished in copper or galvanized iron. Has lead collar at top. This is calked in tight around soil pipe, making watertight joint. Shpg wt., 4-inch, 3¼ pounds; 5-inch, 5 pounds.

Size	42H184¼ Galvanized, Price	42H186¼ Copper, Price
4-inch	$1.14	$2.35
5-inch	1.60	3.35

Cast Iron Adjustable Closet Bend With Flexible Gasket.

Size, 4x15½ in. Used to connect closet bowl to soil pipe stack. Very convenient. Has adjustable floor flange, bolts and flexible composition gasket. Tapped on both sides for 1¼-inch iron pipe. Makes watertight and gastight joint without using putty. Shipping weight, 19 pounds.

42H1511¼—Price **$3.85**

42H1510¼—Closet Bend only, same except without gasket. **2.95**

Ventilating Cap.

Used in connection with soil pipe and 42H1583¼ Trap for ventilating sewer outside of building. Size, 4x6 inches.

42H1552¼ Standard. Shipping wt., 8 lbs. Price **56c**

42H1553¼ Extra Heavy. Shpg. wt., 13 lbs. Price **69c**

42H408 Combination Lead and Iron Ferrules.

Shpg. Size, In.	Wt., Lbs.	Price
2x 4	2	$0.23
4x 6	6	.70
4x 8	7	.84
4x12	10	1.15

Short Lead Bend.

42H432 Used to connect closet to soil pipe stack. Size, 4 x 12 inches. Shipping weight, 7½ pounds. Price, **$1.40**

Lead Bend and Ferrule.

42H428 For connecting soil pipe with closet bowl. Flanged over floor, and joint made to bowl with putty.

Size, In.	Shpg. Wt.	Price
4x12	12 lbs.	$1.85
4x14	14 lbs.	1.95
4x18	17 lbs.	2.35

Y Branches

42H1564¼ Standard.

Size, In.	Shipping Weight	Price
2x2	5 lbs.	34c
4x2	10 lbs.	53c
4x4	17 lbs.	72c

42H1565¼ Extra Heavy.

Size, In.	Shipping Weight	Price
2x2	9 lbs.	47c
4x2	19 lbs.	69c
4x4	28 lbs.	87c

Sanitary Tapped Cross.

Side openings, tapped for iron pipe. Used to connect vent pipes of sinks or lavatories on opposite sides to the same soil stack.

42H1518¼ Standard.

Size, In.	Shipping Weight	Price
2x1½	6 lbs.	$0.78
4x1½	10 lbs.	1.10
4x2	11½ lbs.	1.15

42H1519¼ Extra Heavy.

Size, In.	Shipping Weight	Price
2x1½	11 lbs.	$0.97
4x1½	13 lbs.	1.35
4x2	14½ lbs.	1.40

T Branch Tapped for Iron Pipe.

42H1560¼ Standard.

Size, In.	Shpg. Wt., Lbs.	Price
2x1½	4	44c
4x1½	10	62c
4x2	10	65c

42H1561¼ Extra Heavy.

Size, In.	Shpg. Wt., Lbs.	Price
2x1½	7	53c
4x1½	12	78c
4x2	12	80c

Sanitary Tapped T Branch.

42H1548¼ Standard.

Size, In.	Shpg. Wt., Lbs.	Price
2x1½	5½	47c
4x1½	9½	78c
4x2	9½	80c

42H1549¼ Extra Heavy.

Size, In.	Shpg. Wt., Lbs.	Price
2x1½	8	$0.56
4x1½	12	.97
4x2	12	1.00

Sanitary T Branch.

Used to connect closet to soil pipe stack.

42H1528¼ Standard.

Size, In.	Shipping Weight	Price
2x2	7½ lbs.	34c
4x2	11 lbs.	53c
4x4	19 lbs.	72c

42H1529¼ Extra Heavy.

Size, In.	Shipping Weight	Price
2x2	10 lbs.	47c
4x2	19 lbs.	69c
4x4	24 lbs.	87c

Sanitary T With Side Inlet.

Used in stack for waste of closet, with side opening for waste of lavatory and bathtub. Size, 4 inches. Either right or left side inlet. Illustration shows left hand side inlet. State which is wanted. Shpg. wts., standard, 18 lbs.; extra heavy, 22 pounds.

42H1532¼ Standard. With 2-in. side inlet for soil pipe. Price **$1.35**

With 1½-in. tapped side inlet for iron pipe. Price **$1.50**

42H1533¼ Extra Heavy. With 2-in. side inlet for soil pipe. Price **$1.55**

With 1½-in. tapped side inlet for iron pipe. Price **$1.65**

Tapped Crosses.

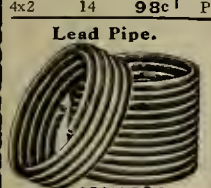
42H1516¼ Standard.

Size, In.	Shpg. Wt., Lbs.	Price
2x1½	5	72c
4x1½	9	87c
4x2	10	89c

42H1517¼ Extra Heavy.

Size, In.	Shpg. Wt., Lbs.	Price
2x1½	9	$0.90
4x1½	12½	1.05
4x2	13	1.10

Lead Pipe.



42H1620

Prices subject to market changes. Sizes given are inside diameter.

Size, In.	Wt., per Foot	Price Per Foot
½	10 oz.	5½c
¾	1 lb.	9c
1	1½ lbs.	13½c
1¼	2 lbs.	18c
1½	3 lbs.	27c
2	4 lbs.	36c
4	5 lbs.	45c

Medium Weight Lead Pipe.

42H1622

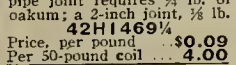
Size, In.	Wt., per Foot	Price Per Foot
½	1½ lbs.	13½c
⅝	2 lbs.	18c
¾	2¼ lbs.	21c
1	3¼ lbs.	30c

Rope Oakum.

The rope form of this oakum makes it convenient for calking iron soil pipe and fittings. A 4-inch soil pipe joint requires ¼ lb. of oakum; a 2-inch joint, ⅛ lb.

42H1469¼ Price, per pound **$0.09**
Per 50-pound coil **4.00**

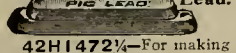
Pig Lead.



42H1472¼—For making calked lead joints, etc. Price, per pound, in 8-pound ingots **7½c**

Price subject to market changes.

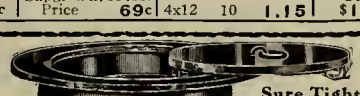
Plumbers' Solder.



42H486—For wiping lead pipe joints. Bars are abt. 1¼ lbs. each. Less than a bar not sold. Per bar **29c**

Price subject to market changes. For Tinners' Solder and Block Tin see page 855.

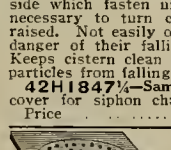
Sure Tight Cistern Cover for Safety and Cleanliness.



42H1846¼—For 21-inch opening. Made of cast iron with ring for lifting and two catches on under side which fasten under lugs in flange, making it necessary to turn cover slightly before it can be raised. Not easily opened by children, so it relieves danger of their falling into cistern or catch basin. Keeps cistern clean by preventing leaves or foreign particles from falling in. Shpg. wt., 50 lbs. **$4.65**

42H1847¼—Same as above, except with holes in cover for siphon chamber of septic tank. Price **$4.75**

Basement or Garage Floor Drain Trap With Strainer.



With bell trap. Placed in floor and connected to 4-inch soil or sewer pipe. Just the thing for the garage or basement floor.

42H616—Size, about 6x6 inches. Shipping weight, about 5 lbs. Price **60c**

42H618—Size, about 9x9 inches. Shpg. wt., abt. 15 lbs. Price **$1.10**

42H620—Size, about 12x12 inches. Shipping wt., about 20 pounds. Price **$1.65**

Soil Pipe Rests.

42H456 Standard.

Size, In.	Shipping Wt., Lbs.	Price
2	2¼	20c
4	3	25c

42H457 Extra Heavy.

Size, In.	Shipping Wt., Lbs.	Price
2	4½	26c
4	4¾	28c

Lead Half S Traps.

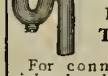
42H420 Size, 1¼ in. Shpg. wt., 4 lbs. Price. **45c**

Size, 1½ inches. Shipping wt., 4½ lbs. Price **65c**

42H422 Same as above, except with iron pipe connection on outlet. 1¼-inch. Shipping weight, 3½ pounds. Price **$1.20**

1½-in. Shpg. wt., 4 lbs. Price **$1.40**

Full S Standard Lead Traps.



For connecting sinks, laundry tubs, etc., to pipe in floor.

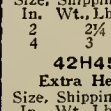
42H412 — Size, 1¼ in. Shpg. wt., 4 lbs. Price **51c**

Size, 1½ inches. Shipping weight, 5½ pounds. Price. **76c**

42H410 — Same as above, except with iron pipe connection on outlet. Size, 1¼ inches. Shpg. wt., 4 lbs. Price **$1.25**

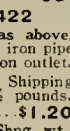
Size, 1½ inches. Shpg. wt., 5½ lbs. Price **$1.50**

Cast Iron Trap.



42H349 Cast Iron Sink Trap. Size, 1½-in., for iron pipe connection. Long sweep prevents clogging. Shipping weight, 6 pounds. Price **70c**

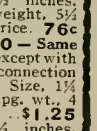
Cast Iron S Sink Trap.



42H347 Size, 1½-inch, for iron pipe connection. Shpg. wt., 7 pounds. Price **$1.75**

NOTE—Cast iron sink traps are for use only with cast iron or steel flat rim sinks. They will not fit roll rim sinks.

Extra Long S Lead Traps.



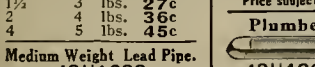
42H414 Size, 1¼ in. Shipping wt., 5½ pounds. Price. **80c**

Size, 1½ in. Shipping wt., 7½ pounds. Price, **$1.15**

42H416 Same as above, for iron pipe connection. Size, 1¼ inches. Price **$1.55**

Size, 1½ inches. Price **$1.90**

Sheet Lead.

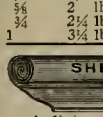


Used to make watertight joint where soil pipe goes through roof, lining chemical vats, etc. Thickness, 1/32 and 1/16 inch; 1/32-inch weighs 2 pounds per square foot; 1/16-inch weighs 4 lbs. per square foot. **State thickness wanted.**

42H1474—Price, 1/32-inch, per sq. ft. **20c**

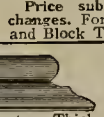
42H1475—Price, 1/16-inch, per sq. ft. **39c**

Iron Drum Trap. 42H438



Size, 4¼ x 5¼ in. Nickel plated brass cover. Tapped 1¼ in. side and bottom. Shpg. wt., 8 lbs. Price **98c**

Iron Drum Trap.



42H436 — Size, 4¼x8¼ inches. Tapped both sides for 1¼-inch pipe. Nickel plated brass cover. Shpg. wt., 15¼ lbs. Price **$1.20**

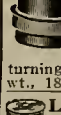
42H442 Swivel Base Cast Iron Drum Trap.

Base is separate from body and connected with calked joint. Permits turning in any direction. Shpg. wt., 18 lbs. Price **$2.40**

42H443 Drum Trap,

same as 42H442, with offset outlet for straight line connection. Shpg. wt., 20 lbs. Price **$2.50**

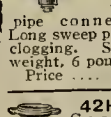
Lead Drum Traps With Brass Screw Cover.



42H434—Diameter, 4 inches. Length, 9 inches, with brass screw cover. Shipping weight, 5½ lbs. Price **$1.70**

42H440—Same as above, except with nickel plated brass screw cover. Price **$1.85**

42H345



Cast Iron Half S Sink Trap. Size, 1½-inch, for iron pipe connection. Shpg. wt., 5 lbs. Price **85c**

Standard Pipe and Pipe Fittings

Iron Pipe Couplings.

Pipe, In.	42H996 Black, Each	42H997 Galv., Each
¼	4c	$0.05
⅜	5c	.07
½	5½c	.08
¾	8c	.10
1	10c	.14
1¼	13c	.20
1½	15c	.23
2	21c	.29
2½	29c	.40
3	44c	.59
3½	59c	.77
4	73c	1.05

Malleable Crosses.

42H1040—Black.

Pipe, In.	Price, Each	Pipe, In.	Price, Each
¼	4c	1	19c
⅜	6c	1¼	20c
½	8c	1½	21c
¾	12c	2	42c

42H1041—Galvanized.

Pipe, In.	Price, Each	Pipe, In.	Price, Each
½	11c	1¼	31c
¾	17c	1½	37c
1	26c	2	65c

Standard Pipe Nipples.

Our nipples are classified as close and short and long, and are furnished in black or galvanized, for pipe sizes from ¼ inch to 4 inches. When ordering state if close and short or long nipple is wanted and whether black or galvanized; also state pipe size. We do not furnish nipples to exact lengths, as our stock is in assorted sizes, but if you will specify lengths wanted we will furnish nipples as close as possible to lengths you specify. Close nipples are about 1½ inches long. Short nipples are 2½ inches long. Nipples longer than 2½ inches are classed as long nipples.

Pipe, In.	42H126 Black, Close and Short	42H128 Black Nipples, Long	42H1065 Galv., Close and Short	42H1067 Galv. Nipples, Long
¼	2c	3½c	2½c	6c
⅜	2c	3½c	2½c	6½c
½	2½c	4c	3c	7c
¾	3c	5c	3½c	8c
1	4c	6c	4c	9c
1¼	5c	8c	5c	12c
1½	5½c	9c	6c	13c
2	6c	10c	8c	17c
2½	12c	19c	16c	29c
3	14c	23c	20c	36c
3½	25c	35c	39c	60c
4	28c	40c	45c	66c

Malleable Iron Elbows.

Pipe, In.	42H998 Black, Each	42H999 Galv., Each
¼	3c	4c
⅜	4c	6c
½	5c	7c
¾	6c	7c
1	8c	12c
1¼	13c	21c
1½	17c	25c
2	26c	41c

Reducing Elbows.

Same prices as above. Specify 42H1000 for black and 42H1001 for galvanized. Price is figured by size of big end. State size of tappings wanted at both openings.

Malleable Reducers.

Reduce one size—largest thread size given here.

Pipe, In.	42H1050 Black, Each	42H1051 Galv., Each
⅜	3c	...
½	4c	5c
¾	5c	7c
1	8c	11c
1¼	9c	13c
1½	11c	18c
2	18c	27c

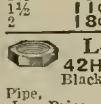
Locknuts.

42H1060
Black Pipe.

Pipe, In.	Price	Pipe, In.	Price
¼	1c	1¼	5c
⅜	1½c	1½	6c
½	1½c	2	7c
¾	2c	2½	16c
1	4c	3	23c

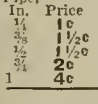
Drainage Fittings.

When pipe is screwed into a drainage fitting it butts against a shoulder, leaving a straight passage through pipe and fitting without pockets or ridges to catch waste matter. These fittings are especially suitable in waste pipe lines and vacuum cleaning systems.



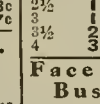
42H988
90-Degree Drainage Elbow.

Pipe Size	Price
1¼ in.	15c
1½ in.	19c
2 in.	28c



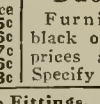
42H986
45-Degree Drainage Elbow.

Pipe Size	Price
1½ in.	19c
2 in.	28c



42H992
Drainage Street Elbow.

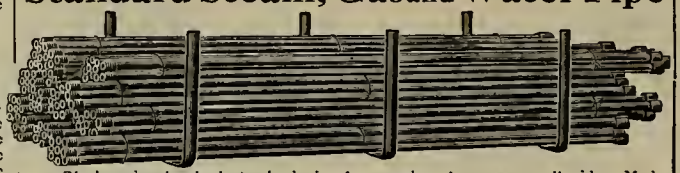
Pipe size, 1½ inches. Price 20c



42H984
Drainage Sanitary Basin Tee.

Pipe Size	Price
1½ in.	28c
1½x1¼ in.	31c
2 in.	42c
2x1½ in.	47c

Standard Steam, Gas and Water Pipe



Black and galvanized standard pipe for carrying steam, gas or liquids. Made of good quality evenly rolled stock, carefully welded and free from imperfections.

Use black pipe and fittings for steam and hot water heating systems, oil or gas, irrigation or air pipe lines, etc.

Use galvanized pipe and fittings for supply and waste pipes on plumbing systems, drinking water pipe lines, etc.

Sizes, ⅛-inch to 6-inch, black and galvanized, in stock at our store. Prices on larger sizes quoted on application.

Prices quoted below are for pipe furnished in random mill lengths, about 20 feet long, threaded both ends. One coupling furnished with each piece of pipe. If pipe is wanted cut to specified lengths and threaded, couplings are not included and an extra charge is made for threading each end of each piece of pipe, as quoted below. Allow cost of two threads for each piece of pipe.

Inside Diameter	Shpg. Wt., per Ft., About, Pounds	42H2100¼ Black, per Foot	42H2101¼ Galvanized, per Foot	Threads, Extra, Each End
⅛ inch	¼	3c	...	4c
¼ inch	⅓	3½c	$0.04¾	4c
⅜ inch	½	3½c	.05	4c
½ inch	⅝	4c	.05½	4c
¾ inch	1⅛	5c	.06½	4c
1 inch	1⅞	7c	.09¼	6c
1¼ inches	2¼	9½c	.12½	6c
1½ inches	2⅔	11c	.15	8c
2 inches	3¾	15c	.20	8c
2½ inches	5¾	23½c	.32	10c
3 inches	7⅞	31c	.42	14c
3½ inches	9	40c	.53	20c
4 inches	10¾	47c	.62	22c
4½ inches	12½	55c	.73	24c
5 inches	14½	64c	.85	35c
6 inches	18¾	83c	1.10	45c

Prices Subject to Market Changes.

Read Before Ordering Fittings, Valves, Etc.

The sizes of standard pipe and fittings, as given in this catalog, refer to the INSIDE diameter of the pipe. The pipe sizes given for fittings, valves, oil cups, etc., refer to the inside diameter of the pipe to which they connect, and not to the diameter of the tapping on the inside or outside of the fitting itself.

SHIPPING WEIGHTS.

The shipping weight of pipe fittings varies, according to the number ordered and the method of shipment. An estimate of the shipping weights and freight, express or parcel post charges will be furnished, if desired, upon receipt of a list of the fittings in which you are interested.

Pipe Caps.

Pipe, In.	42H1062 Black, Each	42H1063 Galv., Each
¼	1½c	2c
⅜	2c	3c
½	3c	4c
¾	4c	6c
1	7c	9c
1¼	8c	12c
1½	9c	14c
2	16c	24c
2½	25c	39c
3	35c	54c
3½	48c	74c
4	60c	93c

Bushings.

Reduce one size—largest thread size given here.

Pipe, In.	42H1056 Black, Each	42H1057 Galv., Each
⅜	3c	6c
½	3c	6c
¾	3c	7c
1	4c	8c
1¼	5c	9c
1½	6c	12c
2	9c	18c
2½	13c	26c
3	18c	36c
3½	24c	48c
4	30c	60c

Face Bushings.

Furnished in black only, same prices as above. Specify 42H174.

Cast Iron Plugs.

Pipe, In.	42H172 Black, Price, Each	42H1054 Galv., Price, Each
¼	2c	3c
⅜	2c	3c
½	2c	3c
¾	2½c	4c
1	3c	5c
1¼	4c	7c
1½	5c	9c
2	6c	12c
2½	11c	22c
3	15c	31c
3½	22c	47c
4	25c	52c

Malleable 45-Degree Elbows.

42H1038

Pipe, In.	42H1006 Black, Price, Each	42H1007 Galv., Price, Each
⅜	3c	4c
½	3c	5c
¾	4c	6c
1	5c	8c
1¼	7c	10c
1½	10c	13c
2	17c	23c
2½	21c	29c
3	36c	49c

Street Elbows.

42H138
Black Iron.

Pipe, In.	Price, Each	Pipe, In.	Price, Each
¼	2c	1	9c
⅜	4c	1¼	14c
½	6c	1½	17c
¾	8c	2	30c

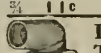
42H1005
Galvanized Iron.

Pipe, In.	Price, Each	Pipe, In.	Price, Each
¼	3c	1	14c
⅜	5c	1¼	21c
½	8c	1½	26c
¾	11c	2	45c

Laundry Tub Tee.

42H1038

Galvanized. Size, 1½ in. Side outlet offset to allow raising up and dropping down to bibb connection. Price 15c



42H990
Galvanized
Long Screw, with coupling and locknut faced. For drainage piping.

Pipe	Price
1½ inches	60c
2 inches	75c

Water Gauge.

With brass body, iron wheels and two guards to protect glass tube. Shipping weight, about 3 pounds.

Size, Inch	42H622 Price, Rough	42H624 Price, Finished
Pipe, ⅜, Glass ⅝x 10	$1.55	$1.85
Pipe, ½, Glass ⅝x 12	1.65	2.05

Glass Tubes for Water Gauge.

For pressure of 150 pounds or less. Lengths other than quoted take prices of next longer tubes of same diameter. Less than six glasses not sold. Shpg. wt., six glasses, abt. 2½ lbs.

Size, ½ inch			Size, ⅝ inch			Size, ¾ inch	
Lth., In.	For Six	Per Doz.	For Six	Per Doz.	For Six	Per Doz.
10	60c	$1.15	65c	$1.20	$0.74	$1.35
11	65c	1.25	68c	1.30	.80	1.50
12	72c	1.35	75c	1.45	.88	1.65
13	78c	1.45	80c	1.50	.95	1.80
14	85c	1.60	88c	1.65	1.10	1.95
15	90c	1.70	95c	1.75	1.15	2.10

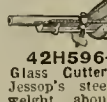
42H1401 — Rubber Gaskets for above glasses. State size wanted. Shipping weight, per dozen, about 4 ounces. Price, per dozen 6c

Brass Air Cock.

42H592

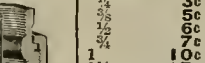
For Pipe, In.	Shpg. Wt., Abt., Oz.	Price
⅛	4	16c
¼	4	18c
⅜	6	20c
½	6	24c

Compression Gauge Cock.



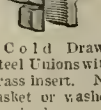
42H590—Solid brass, wood wheel. Complete with improved stuffing box. Polished.

For Pipe, In.	Shpg. Wt., Abt., Oz.	Price
⅜	12	59c
½	13	64c
¾	16	78c



42H596—Gauge Glass Cutter. Made of Jessop's steel. Shipping weight, about 6 ounces. Price 65c

"Mark" Steel Unions. With Brass Insert.



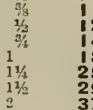
Cold Drawn Steel Unions with brass insert. No gasket or washer required

42H1044

Pipe	Price
¼ in.	$0.23
⅜ in.	.30
½ in.	.45
¾ in.	.53
1 in.	.68
1¼ in.	.90
1½ in.	1.20
2 in.	1.50

Malleable Iron Unions.

Used to join together two pieces of pipe.



Pipe, In.	42H1046 Black, Price, Each	42H1047 Galvanized, Price, Each
¼	10c	15c
⅜	11c	17c
½	12c	18c
¾	14c	21c
1	18c	27c
1¼	25c	37c
1½	29c	45c
2	37c	57c

42H1407 — Red Rubber Gaskets for 42H1046 and 42H1047 Unions. Shipping weight, about 4 ounces.

Size, In.	Price	Size, In.	Price
¼	4c	1	7c
⅜	4½c	1¼	8c
½	5c	1½	9c
¾	6c	2	10c

Malleable Tees.

Pipe, In.	42H1008 Black, Price, Each	42H1025 Galv., Price, Each
¼	3c	4c
⅜	5c	7c
½	6c	9c
¾	7c	10c
1	10c	15c
1¼	17c	27c
1½	21c	32c
2	34c	52c

Reducing Tees.

Furnished at same prices as above. Specify 42H1010 for black and 42H1027 for galvanized. Figure prices according to size of biggest opening. To give size wished, first give size of the bigger end of run, then other end of run, finally size of side branch.

CAST IRON FITTINGS.

Flange Unions.

42H124
Easily and quickly connected or disconnected. Leave opening through union same size as inside of pipe.

Pipe	Price, Each
½ in.	$0.28
¾ in.	.32
1 in.	.34
1¼ in.	.42
1½ in.	.51
2 in.	.66
2½ in.	.77
3 in.	.92
3½ in.	1.10
4 in.	1.30

42H122
Red Rubber Gaskets for above unions. Shipping wt., about 8 oz.

Pipe	Price, Each
½ in.	4c
¾ in.	4½c
1 in.	5c
1¼ in.	6c
1½ in.	7c
2 in.	8c
2½ in.	9c
3 in.	10c

42H130
Cast Iron 90-Degree Elbows.

Size, In.	Price, Each
¾	6c
1	7c
1¼	10c
1½	13c
2	18c
2½	33c
3	46c
3½	64c
4	73c

42H136
Cast Iron Tees.

Size, In.	Price, Each
¾	$0.08
1	.10
1¼	.15
1½	.19
2	.27
2½	.48
3	.72
3½	.92
4	1.10

42H134
Cast Iron 45-Degree Elbows.

Size, In.	Price, Each
¾	7c
1	8c
1¼	13c
1½	16c
2	22c
2½	39c
3	55c
3½	77c
4	89c

42H132
Cast Iron Reducing Elbows. Size of large end given here.

Size, In.	Price, Each
¾	6c
1	8c
1¼	12c
1½	15c
2	21c
2½	39c
3	52c
3½	73c
4	86c

42H142—Cast Iron Reducing Tees. Size of largest thread given here. State tappings wanted.

Size	Price, Each	Size	Price, Each	Size	Price, Each
¾ in.	10c	1½ in.	22c	3 in.	$0.77
1 in.	12c	2 in.	31c	3½ in.	1.10
1¼ in.	18c	2½ in.	54c	4 in.	1.25

Malleable Iron Return Bends. Open Pattern.
42H1070—Black.

Pipe, In.	½	¾	1	1¼
Each	9c	14c	21c	26c
Pipe, In.	1½	2	2½	3
Each	35c	53c	95c	$1.39

Graphite Pipe Joint Cement.

Used on pipe threads to make tight joints. Keeps threads from rusting, lubricates threads and makes it easy to tighten up pipe.

42H154—1-lb. can..$0.29
42H155—5-lb. can.. 1.30

White Lead Pipe Joint Cement.

An excellent grade for steam fitters and plumbers' use.

30H2214

1-lb. can ..... (Shpg. wt., 1¾ lbs.) 16c
5-lb. can ..... (Shpg. wt., 7½ lbs.) 65c

Galvanized Pipe Straps.

42H1029—To hold pipe in place against wall.

Pipe, in.	½	¾	1	1¼	1½	2
Price, doz.	4c	5c	6c	7c	10c	11c
Pipe, in.	2½	3				
Price, doz.	12c	13c				

Cast Iron Floor Flanges.

42H1072—Used in pipe railings and fences as a base for fastening pipe to floor, wall or other surface.

Pipe, In.	Price	Pipe, In.	Price
⅜	6c	1¼	12c
½	9c	1½	14c
¾	10c	2	22c
1	11c		

For Hanging Horizontal Range Boilers, Pipes, Etc.

Perforated Strap Iron. Made of ⅞-inch by ⅜2-inch band iron with ⅛-inch perforations. Furnished in 5 and 10-foot lengths only. Shipping weight, about 4 ounces per foot.

42H161—Price, per foot.. 3c

Adjustable Pipe Hangers.

Made of perforated strap iron with long wood screw eye. Length, 10 inches. Can be cut off and adjusted to any length desired. Can be put on or take off after fittings and pipe are made up.

42H160

Pipe size, in...	¾	1	1¼
Price, each.....	8c	9c	10c
Pipe size, in...	1½	2	2½
Price, each.....	11c	12c	13c
Pipe size, in...	3	3½	4
Price, each.....	15c	17c	18c

Standard Galvanized Steel Tanks

We guarantee our STEEL TANKS to be first class in every respect and our prices to effect a saving for you, quality considered. Order a tank from us with the understanding that it must be exactly as we represent it and perfectly satisfactory to you or you can return it at our expense and we will return your money and freight charges. Prompt shipment of all sizes. When tanks are shipped knocked down, all holes are punched, every part is fitted together at the factory and sufficient solder and rivets are sent with which to put the tank together. All tanks made of No. 20-gauge steel unless otherwise specified. Will make regular No. 20-gauge tanks of No. 18-gauge at price one-fifth higher or No. 16-gauge at price two-fifths higher.

Certain Standard tanks which are regularly shipped set up can and will be shipped knocked down if so ordered.

Tanks in these two columns are shipped from factory in SOUTHWESTERN MICHIGAN or KANSAS CITY, MO., for the convenience of our Midwestern trade.

All seams in No. 20-gauge tanks are lock seams and are carefully soldered, no edges coming in contact with the water. Stock tanks made of No. 18 and No. 16-gauge steel have riveted and soldered seams. Tops are bound with angle steel. Bottoms of all tanks over 1 foot in height are secured between two pieces of flat steel or are bound with angle steel, depending upon size and shape of tank. (See illustration.) Sides of tanks 6 feet or longer are firmly braced with angle steel bars. Measurements in all cases are outside, over all.

Round Storage Tanks.

Tanks 32H4388, 32H4389, 32H4392 and 32H4393 are made of No. 20-gauge galvanized steel. Tank 32H4394 is made of No. 18-gauge steel, but can be made of No. 16-gauge at a price one-sixth higher. Tanks 32H4395 and 32H4398 are made of No. 16-gauge steel, because lighter gauge is not strong enough for such large tanks. **These tanks are always shipped knocked down.** They do not have lock seams, but are punched for rivets. Prices include sufficient solder and rivets.

	Diam., Ft.	Ht., Ft.	Cap., Gal.	Wt., Lbs.	Price, Fcty., Michigan	Price, Fcty., Kans. City
32H4388	6	6	1,200	265	$ 28.95	$ 29.95
32H4389	6	8	1,600	330	35.90	37.25
32H4392	8	5	1,800	330	39.50	40.70
32H4393	8	6	2,133	375	43.80	45.75
32H4394	8	8	2,854	590	67.85	70.25
32H4395	8	10	3,592	910	91.75	94.60
32H4398	10	8	4,580	985	106.50	109.50

Square End Tanks.

Always shipped set up unless otherwise ordered. (See general description at top of page.)

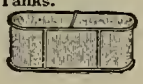
	Lgth., Ft.	Width, Ft.	Ht., Ft.	Cap. Gal.	Wt., Lbs.	Price, Fcty., Michigan	Price, Fcty., Kans. City
32H4365	4	2	1	50	50	$ 4.95	$ 5.80
32H4366	6	2	1	75	70	6.50	8.15
32H4368	4	2	2	101	75	6.55	8.17
32H4369	6	2	2	152	100	8.25	10.95
32H4370	8	2	2	202	130	11.97	13.98
32H4374	8	3	2	318	155	14.20	17.20
32H4379	10	3	2	397	195	16.88	20.90
32H4382	10	4	2	530	225	19.68	24.20

Round Tanks.

Always shipped set up unless otherwise ordered. (See general description at top of page.)

	Diam., Ft.	Ht., Ft.	Cap., Gal.	Wt., Lbs.	Price, Fcty., Michigan	Price, Fcty., Kans. City
32H4310	4	2	166	80	$ 7.35	$ 7.95
32H4311	4	2½	215	90	8.30	9.50
32H4312	4	3	254	100	10.15	10.98
32H4313	4	4	338	125	12.38	13.75
32H4314	5	2	262	110	9.98	10.60
32H4316	5	3	411	135	12.46	13.70
32H4317	5	4	548	160	16.40	17.50
32H4318	5	5	675	185	20.90	21.80
32H4320	6	2	384	140	12.65	13.40
32H4322	6	3	583	170	15.80	17.25
32H4323	6	4	768	200	20.70	23.50
32H4324	6	5	966	235	25.75	28.45

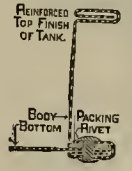
Round End Tanks.



Always shipped set up unless otherwise ordered. (See general description at top of page.)

	Lgth., Ft.	Width, Ft.	Ht., Ft.	Cap., Gal.	Wt., Lbs.	Price, Fcty., Michigan	Price, Fcty., Kans. City
32H4330	4	2	1	45	45	$ 5.19	$ 6.28
32H4331	6	2	1	70	65	6.22	7.95
32H4332	8	2	1	100	85	7.89	10.15
32H4334	4	2	2	91	61	5.80	6.97
32H4336	6	2	2	144	90	8.52	9.78
32H4337	8	2	2	197	120	10.17	12.60
32H4339	8	2½	2	245	135	10.75	14.09
32H4340	8	2½	2½	310	145	12.44	16.40
32H4342	8	3	2½	375	155	13.26	17.65
32H4343	8	4	2	386	150	14.93	17.90
32H4347	10	3	2	384	170	14.60	18.75
32H4350	10	4	2	496	195	17.85	21.80
32H4351	10	4	2½	625	220	20.39	24.85
32H4354	10	6	2	813	230	22.80	27.90
32H4356	16	4	2	826	300	28.15	33.40
32H4357	16	5	2	1,072	335	33.10	37.80

Tanks in these two columns are shipped from factory in CENTRAL OHIO for convenience of our Eastern trade.



These tanks are formed on a machine specially designed for the purpose, which insures uniformity of shape and size, and perfect accuracy at all seams and joints. The bottom and side seams are also folded by machine. Round end and round tanks are packed with special waterproof packing and then riveted. Square end and storage tanks are riveted and soldered.

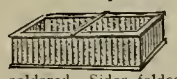
The side sheets are folded over at top and bottom, giving an all galvanized construction. All tanks are made with corrugated sides.

Round End Tanks.

Always shipped set up unless otherwise ordered. Seams packed and riveted. Sides folded over to make reinforced top all around. (See general description at top of page.)

	Lgth., Ft.	Width, Ft.	Ht., Ft.	Cap., Gal.	Wt., Lbs.	Price, Fcty., Ohio
32H4510	4	2	2	91	74	$ 5.57
32H4512	6	2	2	144	102	7.85
32H4514	8	2	2	197	135	10.15
32H4518	6	3	2	213	134	9.65
32H4521	8	3	2	295	156	12.40
32H4522	10	3	2	384	185	15.20
32H4523	8	4	2	386	169	14.30
32H4524	10	4	2	496	203	17.45

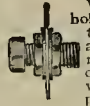
Square End Tanks.



Always shipped set up unless otherwise ordered. Sides are corrugated and seams riveted and soldered. Sides folded over to make reinforced top all around. (See general description at top of page.)

	Lgth., Ft.	Width, Ft.	Ht., Ft.	Cap., Gal.	Wt., Lbs.	Price, Fcty., Ohio
32H4560	4	2	2	101	91	$ 6.65
32H4562	6	2	2	152	121	8.90
32H4563	8	2	2	202	150	11.95
32H4565	8	3	2	318	178	14.50
32H4566	10	3	2	397	208	16.90

Pipe Connection for Steel Tanks.



We do not cut pipe connection holes in steel tanks. You can cut the hole with a cold chisel against a block of wood. Galvanized pipe connections consist of one close nipple, two leather washers, two locknuts, and one pipe cap. Shipped from our store or from factory.

32H4300—Pipe Connection.

Size	Shpg. Wt.	Price
¾ in.	10 oz.	$0.43
1 in.	1 lb.	.54
1¼ in.	1¾ lbs.	.75
1½ in.	2 lbs.	1.00
2 in.	3 lbs.	1.25

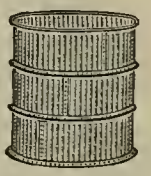
Round Tanks.

Always Shipped Set Up.

Sides are corrugated. Seams are packed and riveted. Sides folded over to make reinforced top all around.

	Diam., Feet	Ht., Feet	Cap'y, Gal.	Weight, Pounds	Price, Fcty., Ohio
32H4501	3	2	91	69	$ 5.20
32H4502	4	2	166	97	7.80
32H4504	6	2	384	167	12.95
32H4506	8	2	691	245	23.90

Storage Tanks.



Always shipped set up. Made regular of No. 20-gauge galvanized steel. Will make of No. 18-gauge at prices one-fifth higher. The sides are corrugated. Horizontal and vertical seams riveted and soldered. Tanks 4 feet high and larger are made in sections. The top and bottom of each section are folded over and the sections are riveted together, one section on top of the other, forming reinforcing. Some manufacturers ship storage tanks knocked down, but we have found it advisable to ship this style set up. This insures the purchaser receiving a perfectly constructed tank, and is a saving in time and money by not having to do this work after the tank is received.

	Diam., Feet	Ht., Feet	Cap'y, Barrels	Weight, Pounds	Price, Fcty., Ohio
32H4540	4	3	8	110	$13.68
32H4541	4	4	10¾	135	15.80
32H4543	4	6	16¼	190	21.90
32H4546	5	4	17¼	170	20.75
32H4548	5	6	26	230	28.85
32H4549	5	8	34¾	300	36.25
32H4553	6	6	38	300	35.60
32H4554	6	8	53	403	44.95

Kenwood Ball Bearing Windmills

ALL GALVANIZING DONE AFTER CUTTING AND PUNCHING. NO RAW EDGES LEFT UNPROTECTED.

Our Own Trade Mark.

BACK GEARED STEEL WINDMILL.

WE SEND COMPLETE INSTRUCTIONS FOR ERECTING WINDMILLS AND FOR BUILDING WOOD TOWERS.

A Kenwood Windmill will pump all the water needed for a country or suburban residence, as well as for all farm purposes. The first cost is small and the expense of operation nothing except a few drops of oil occasionally. They are extra heavy and strong, as will be seen by a comparison of our weights with the weights of other windmills. A Kenwood Windmill will give long service, withstand the stress of storms longer, and prove more satisfactory in every way than any lighter built windmill.

Ball Bearing Turntables and Ball Bearing End Thrust back of the wind wheel permit the Kenwood to respond readily to changes in direction of the wind, and they will run and pump water in the lightest breezes.

They are self governing. The adjustable weight and lever governor as used in the Kenwood is the most reliable form of windmill governor. It will hold the windmill into any wind in which it is safe to run. Should the wind become too high the windmill will swing quietly out of the wind. When the wind abates, the windmill will swing back into the wind and resume pumping.

Workmanship and materials are first class. Shaft bearings are of large proportions and lined with hard engine babbitt. Gears are smooth and true. Large oil reservoirs provide ample lubrication.

The steel wheels are made of heavy gauge steel and galvanized after all the parts are made. Each wheel section is thus practically soldered into one solid piece by the galvanizing. This is a most important feature, as it means thorough protection against rust. There are no raw edges, or bolt holes exposed to rust. All bolts on wheel and rudder are galvanized and have double nuts. Steel wheels and rudders are nicely striped with red paint.

Prices include pump pole, pull-out wire, reefing gear, hedplate and truing spider with which the mill is attached to tower, but price does not include tower or platform. When windmill is ordered without tower we will ship it with hedplate and truing spider for a four-post wood tower, and with sufficient pump pole and pull-out wire for a tower 40 feet high, unless otherwise ordered. Kenwood Windmills are shipped from factory in NORTHEASTERN INDIANA.

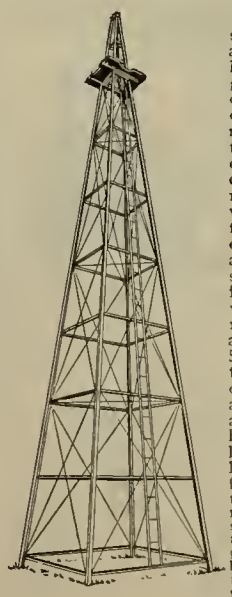
32H4006—6-Foot Back Geared Steel Pumping Windmill. Weight, 305 pounds. Price..... **$26.95**

32H4008—8-Foot Back Geared Steel Pumping Windmill. Weight, 425 pounds. Price..... **37.85**

32H4010—10-Foot Back Geared Steel Pumping Windmill. Weight, 630 pounds. Price..... **55.00**

Kenwood Four-Post Windmill Towers

Our Own Trade Mark.



Our Steel Towers are very strong and substantial and are properly proportioned and braced in every way. Every corner post, brace, band girth, bolt and nut is heavily galvanized after all cutting, punching and other machine work is done. This insures every part of the steel being covered with non-rusting metal and gives complete protection against rust. Our towers are braced diagonally as well as crosswise at every corner post joint and they are so strong and rigid that when properly anchored they will withstand the most severe storms. No. 1 towers have one set of bands for each 10 feet of their height; also a band at the platform and two bands above the platform which serve as steps. No. 1 towers are intended for use with 6 and 8-foot windmills, but in view of the small difference in price we recommend that a No. 2 tower be used with an 8-foot windmill. No. 2 towers have bands 5 feet apart for the entire height of the tower; also a band at the platform and two extra bands above the platform which serve as steps. No. 2 towers are suitable for 8-foot and 10-foot windmills. Our towers are full height; every corner post is 10 feet 6 inches long, the extra 6 inches being allowed for the lap of one post over the one below it. This feature makes a stronger and better finished tower and also serves to prevent water from running into the corner post joints. Illustration shows a 40-foot No. 2 tower. Prices are for towers complete with platforms, ladder, rod guides, anchor posts and anchor plates and building instructions for erecting, but do not include windmills, hedplate, truing spider, pump pole, pull-out wire nor reefing gear, these being parts of the windmill. Shipped from factory in NORTHEASTERN INDIANA.

32H4112—20-Foot No. 1 Tower. Weight, 345 pounds..... **$24.65**

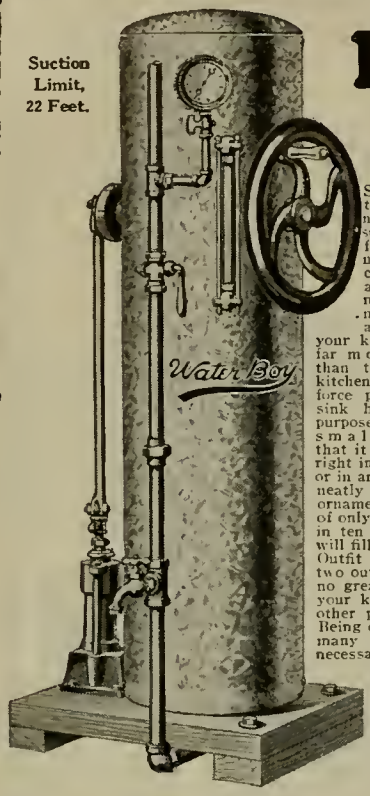
32H4113—30-Foot No. 1 Tower. Weight, 485 pounds..... **34.00**

32H4122—20-Foot No. 2 Tower. Weight, 355 pounds..... **25.55**

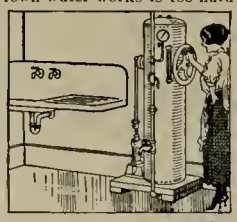
32H4123—30-Foot No. 2 Tower. Weight, 520 pounds..... **37.45**

32H4124—40-Foot No. 2 Tower. Weight, 700 pounds..... **49.90**

Pump the Water Like You Grind the Coffee



Suction Limit, 22 Feet.

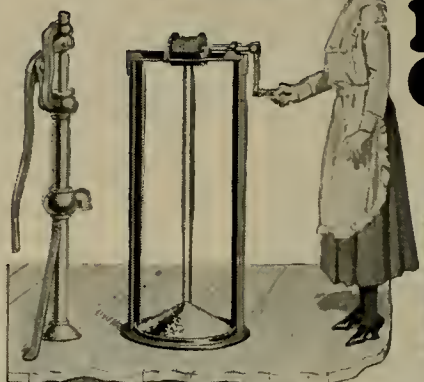


Our "Water Boy" Air Pressure Water Supply System illustrated here is designed to fill a big need in every home which has no running water or where the running water supplied by the town water works is too hard for household use, making cistern water a necessity. It presents a much nicer appearance in your kitchen and is far more sanitary than the old style kitchen spout or force pump on the sink board. It is purposely made to small capacity so that it fits in nicely right in your kitchen alongside of your kitchen sink or in any convenient corner. The entire outfit is so neatly designed, that it will be nothing short of an ornament in your kitchen. It takes up floor space of only 27x22 inches. Tank can be filled with ease in ten minutes and pumping once or twice a day will fill all the requirements of the average family. Outfit is so reasonable in price that you can have two outfits, one for hard and one for soft water, at no great expense. It gives you running water at your kitchen sink and can be connected with any other plumbing fixtures you wish in your home. Being conveniently placed in your kitchen it saves many trips to basement to pump water, as is necessary with a larger outfit. It automatically pumps air and water. It is one of the most scientific pumping outfits ever placed on the market for the farm home. Pump has brass rod and 2¼-inch brass cylinder, tank size, 20x60 inches; total capacity, 82 gallons. **Shipped from factory in NORTHERN ILLINOIS.**

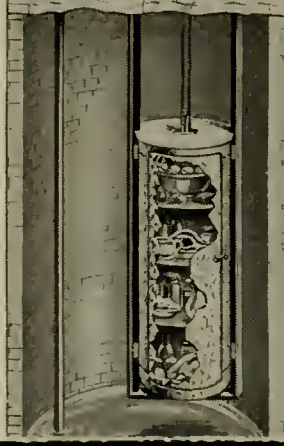
42H3630⅓—"Water Boy" Pneumatic Water Supply System, complete with black tank, all valves, gauges, etc., as illustrated, ready for service. Shipping weight, about 325 pounds. Price **$49.75**

42H3631⅓—"Water Boy" Outfit, same as above, with tank galvanized inside and out. Shipping weight, about 325 pounds. Price **56.75**

Every Farmer Needs This Sanitary Iceless Cooler



Keeps Your Provisions Cool in Hottest Weather Without Ice.



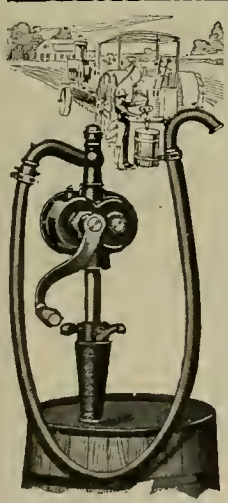
This Sanitary Iceless Cooler serves every purpose of an ice box with no expense for ice. It is a practical necessity on every farm.

It may be installed in any open or dug well, as shown in the illustration, or if you have a drilled or driven well which cannot accommodate it you can make an excavation in your cellar or other convenient place 8 to 10 feet deep and lined with 18-inch tile. At this depth the temperature is a low as 38 degrees. You can make this excavation directly under your kitchen if you wish and the outfit can then be installed right in your kitchen where it will be handy at all times. It is simply a "dumb waiter," and anything you want may be obtained in a moment. Saves expense for ice. First cost is only cost. Any handy man can easily install it. Provision chamber is bug and animal proof. It protects your foodstuffs from insects and prowling animals as well as keeping them cool and preventing their spoiling even in hottest Summer weather. Provision chamber is 40 inches high and 14 inches in diameter with three adjustable shelves. **Shipped from factory in IOWA.**

42H3635⅓—Outfit complete with windlass, galvanized steel cable, and guide rods extending 8 feet into well, as shown. Shpg. wt., 95 pounds. Price **$17.95**

Note.—If guide rods longer than eight feet are wanted, add 25 cents for each additional foot.

Rotary Barrel Pump.



Hand Rotary Barrel Pump. For pumping oil, syrup or other liquids out of barrels and forcing them into a tank or other receptacle. Much used for filling gasoline tanks on traction engines, automobiles, etc. Forces liquids 15 or 20 feet above pump. Works same as Acme Rotary Power Force Pump, shown on this page. Made of iron. Has 3-foot suction pipe, 5-foot discharge hose and goose neck. Pumps 13 gallons per minute. Shipping wt., 65 pounds.

42H2260¼ Hand Rotary Barrel Pump.
Price, **$11.20**

Barrel not included in price.

Large Capacity Tank Pump.

For filling thresher tanks, stock watering tanks, etc.; pumping from shallow wells or cisterns. Used also as a deck pump, trench pump or for emptying cesspools, etc., or for any purpose where it is desired to pump a large volume of water. Pumps 50 gallons per minute. This is a strictly high grade pump. Has brass valve seats. Cylinder, 5 inches in diameter, 5-inch stroke; suction and discharge, 2 inches. Has extra connection for discharge, to connect 1-inch hose for sprinkling, etc. Shipping weight, 78 pounds.

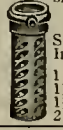
42H2266¼—Pump as described. Price. **$11.95**

42H828—5-Inch Crimped Plunger Leathers. Shipping weight, 8 ounces. Price, per set of two **85c**

For Suction Hose See Our Big General Catalog.

Galvanized Malleable Strainers.

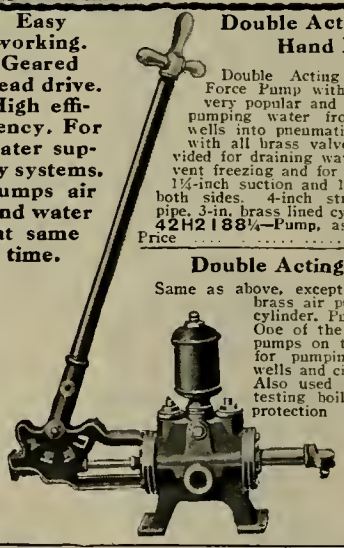
42H826—Used with pumps 42H2266¼, 42H2188¼, 42H2186¼, 42H2187¼, also rotary pumps 42H2270¼, etc. Placed at end of suction pipe to keep out foreign matter. Covered with brass wire cloth.



Size. In.	Shpg. Wt., Abt., Lbs.	Price
1	1	33c
1¼	1¼	38c
1½	1½	42c
2	2¼	58c

Easy working. Geared head drive. High efficiency. For water supply systems. Pumps air and water at same time.

Double Acting Air and Water Hand Force Pump.



Double Acting Hydropneumatic Hand Force Pump with geared head drive. A very popular and highly efficient pump for pumping water from cisterns or shallow wells into pneumatic pressure tanks. Fitted with all brass valves; brass plug also provided for draining water from cylinder to prevent freezing and for priming when necessary. 1¼-inch suction and 1-inch discharge openings both sides. 4-inch stroke; threaded for iron pipe. 3-in. brass lined cylinder. Shpg. wt., 76 lbs.

42H2188¼—Pump, as described. Price **$12.75**

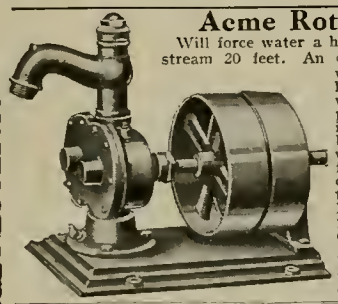
Double Acting Water Pump.

Same as above, except that it does not have brass air pump attached at rear of cylinder. Pumps liquid only; no air. One of the best and most efficient pumps on the market. Much used for pumping water from shallow wells and cisterns to elevated tanks. Also used for cleaning, filling and testing boilers and tanks, for fire protection and as a deck pump. Shipping wt., 65 lbs.

42H2186¼ With 3-inch iron cylinder. Price **$10.90**

42H2187¼ With 3-in. brass lined cylinder. Price **$11.90**

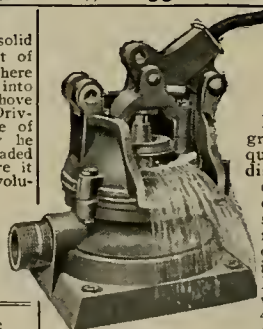
Acme Rotary Power Force Pump.



Will force water a horizontal distance of 200 feet and throw a solid stream 20 feet. An excellent pump for raising a large amount of water with minimum amount of power where lift is not over 15 feet and elevated tank into which water is forced not over 50 feet above pump. Reliable protection in case of fire. Driving shaft made long enough to allow use of balance wheel with handle so pump may be worked by hand when desired. Spout threaded for iron pipe at end and also at top where it connects to pump. Can be run at 200 revolutions per minute without injury, although 100 is recommended. One of the simplest and most satisfactory power pumps on the market. High speed permits belting direct to engine. If wanted with balance wheel and handle for hand power, allow $5.50 extra. Prices quoted do not include pipe or belt.

Catalog No.	Gals. per Minute	H.-P.	Pipe Size. In. Inlet	Pipe Size. In. Outlet	Pulley, Inches	Shipping Weight	Price
42H2270¼	13	1	1¼	1	10x3	80 lbs.	$13.05
42H2271¼	14	1	1¼	1	10x3	86 lbs.	14.45
42H2272¼	17	1	1½	1¼	10x3	98 lbs.	16.80
42H2273¼	27	2	2	1½	12x3½	145 lbs.	30.55
42H2274¼	36	3	2	2	12x3½	157 lbs.	34.65

Triumph Non-Clog Diaphragm Pump.



Pumps dirty or gritty water. Will quickly and easily dispose of large quantities of drainage or sewer matter, mud, gravel and quicksand. Heavily constructed. Has large valve ways. Pumps 42H2284¼ and 42H2285¼ have side suction, others have bottom suction.

Catalog No.	Hose or Pipe	Gals. per Hour	Shpg. Wt., Lbs.	Price
42H2284¼	2½ in.	1,500	85	$18.75
42H2285¼	3 in.	3,500	185	23.90
42H2286¼	2½ in.	1,500	95	18.95
42H2287¼	3 in.	3,500	170	24.00

Anti-Freezing Pipe Hydrants.

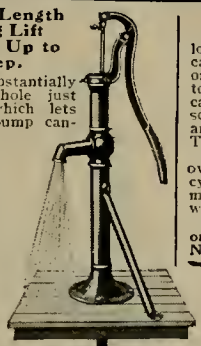
For fire protection, supplying water to stock watering tanks, lawn sprinkling, etc. **Water cannot freeze in this hydrant;** it shuts the water off below frost line and water in hydrant automatically drains out when shut off. Made of galvanized iron with cast iron spout threaded for garden hose and brass shut-off valve. A number of these hydrants around the farm or lawn are a great convenience and a reliable protection in case of fire. Shipping weight, about 20 pounds.

Catalog No.	Length	¾ In.	1 In.	1¼ In.
42H2316¼	4 ft.	$2.25	$3.30	$4.85
42H2317¼	5 ft.	2.40	3.55	5.15
42H2318¼	6 ft.	2.60	3.80	5.45

For Gasoline Engines See Our Big General Catalog.

Serviceable Pumps for the Farm

High Spout Set Length Anti-Freezing Lift Pump for Wells Up to 60 Feet Deep.



Strong and substantially made; has small hole just above cylinder which lets water run out so pump cannot freeze. Pump is all made up with pump rod pipe and iron cylinder, as illustrated. Distance from pump platform to bottom of cylinder, 4 feet. Stroke, 6 inches.

If your well is 25 feet deep or less, just screw sufficient pipe into bottom of cylinder to reach below water and set pump in place. If your well is over 25 feet deep, order pump standard only; also order cylinder of size wanted and sufficient pipe and pump rod so that cylinder can be extended down 3 feet below water line.

Takes 1¼-Inch Pipe.

42H2350¼—Set Length Pump, as described, with 2¼x10-inch iron cylinder. Shipping weight, 62 pounds. Price **$5.60**

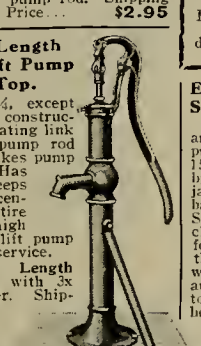
42H2351¼—Same Pump, with 3x10-inch iron cylinder. Shpg. wt., 65 lbs. Price **$5.75**

42H2352¼—Same Pump, with 3½x10-inch iron cylinder. Shipping weight, 70 pounds. Price.. **$6.75**

For galvanized pipe add 25 cents.

42H2355¼—Pump Standard only, without cylinder, pipe or pump rod. Shipping weight, 40 pounds. Price... **$2.95**

High Spout Set Length Anti-Freezing Lift Pump With Closed Top.



Same as 42H2350¼, except that it is of heavier construction. Also has oscillating link connection between pump rod and handle. This makes pump work more easily. Has closed top, which keeps pump rod guided centrally throughout entire length of stroke. A high grade easy working lift pump that will give long service.

Takes 1¼-Inch Pipe.

42H2360¼—Set Length Pump, as described, with 3x10-inch iron cylinder. Shipping weight, 70 lbs. Price **$6.80**

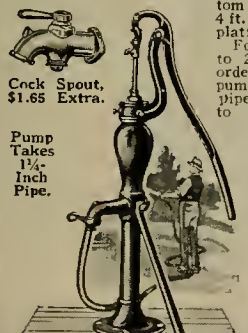
42H2361¼—Same Pump, with 3½x10-inch iron cylinder. Shipping wt., 75 lbs. Price **$7.00**

For galvanized pipe add 25 cents.

42H2364¼—Pump Standard only, same as above, without cylinder, pipe or pump rod. Shipping weight, 48 pounds. Price **$3.90**

Extra Heavy Set Length Hand Force Pump.

Heavy duty hand force pump. Spout has hose and shut off clevis, so that water can be forced to elevated tank or through hose for sprinkling, washing windows, buggies, automobiles, etc. Bottom of cylinder, 4 ft. below pump platform.



Cock Spout, $1.65 Extra.

Pump Takes 1¼-Inch Pipe.

For wells up to 25 feet deep order set length pump and extra pipe to reach to water. For deeper wells order pump standard only, cylinder and extra pipe and pump rod to let cylinder down into water.

42H2409¼ Set Length Hand Force Pump, with 2½-in. cylinder. Shpg. wt., 76 lbs. Price, **$7.95**

42H2410¼ Same Pump, with 3-in. cylinder. Shipping wt., 85 pounds. Price.**$8.00**

42H2411¼—Same Pump, with 3½-in. cylinder. Shipping weight, 90 lbs. Price..... **$9.80**

Back Attachment, $1.50 Extra.

If galvanized pipe is wanted between pump and cylinder instead of black pipe, add 25 cents.

How to Order Your Pump Outfit.

If the distance from pump platform to the lowest water level is less than 25 feet, you can use one of our set length pumps, quoted on this page, and order sufficient extra pipe to reach to about 3 feet below water. In that case the cylinder need not be let down. Just screw the pipe into the bottom of the cylinder and extend the pipe down below the water. This simplifies the installation very much.

If the distance to the lowest water level is over 25 feet, then you will have to extend the cylinder down, and in that case we recommend that the cylinder be immersed in the water and sufficient extra pipe and pump rod ordered to place it in that position. We call your attention to our complete pump outfits, ready cut and fitted, ready to assemble for various depths of wells, as quoted on page 722. Lift pumps draw water to the pump spout only. Force pumps will force water to an elevated tank. If you just want to pump water to a bucket or tank at the pump spout, a lift pump will do. If you want to force it to an elevated tank or a pressure tank, order a force pump.

We charge 2 cents per foot in addition to cost of pump rod and pipe for cutting and fitting pump outfits to order.

Note Our Complete Ready Made Pump Outfits for Various Depths of Wells as Quoted on Page 722. For Drive Well Points, Pump Rod Cylinders, Etc., See Page 723.
NOTE—Prices quoted on pump standards only do not include any pipe, pump rod or cylinder.

Kitchen Sink Pumps at Low Prices.

See Also Our Complete Sink and Pump Outfits on Pages 730 and 731.

Pitcher Spout Iron Lift Pump.

One of the most popular and serviceable Kitchen Sink Pumps on the market. For wells or cisterns 20 feet deep or less. Has revolving top so handle may be turned as desired. Cylinders of all pumps listed below tapped for 1¼-inch suction pipe. Order pipe from water to pump. Shipping wt., about 28 pounds.

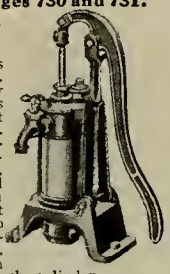
42H2370¼—3-inch iron cylinder. Price **$2.25**

42H2371¼—3-inch brass lined cylinder. Price **$2.80**

42H2372¼—3½-inch iron cylinder. Price **$2.35**

42H2373¼—3½-inch brass lined cylinder. Price **$3.20**

Simplex Cistern Force Pump.



For wells or cisterns 20 feet deep or less. Made of high quality cast iron with brass cylinders, valve set and stuffing nut. Gooseneck spout fitted with hose coupling or faucet cock, as illustrated. Tapped for 1¼-inch suction and 1-inch top outlet for forcing water to elevated tank. Shipping wt., about 20 lbs.

42H2376¼—With plain spout and 2½-inch cylinder. Price **$4.85**

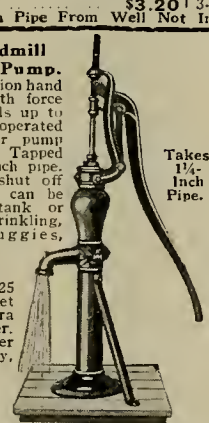
42H2377¼—With plain spout and 3-inch cylinder. Price **$5.10**

42H2378¼—With faucet spout as illustrated and 2½-inch cylinder. Price **$5.70**

42H2379¼—With faucet spout and 3-inch cylinder. Price **$5.90**

Suction Pipe From Well Not Included in Above Prices.

Extra Heavy Windmill Set Length Force Pump.



Takes 1¼-Inch Pipe.

Heavy duty combination hand and windmill set length force pump adapted for wells up to 150 feet deep. Can be operated by hand, windmill or pump jack. Six-inch stroke. Tapped back of spout for 1-inch pipe. Spout has hose and shut off clevis, so that water can be forced to elevated tank or through hose for sprinkling, washing windows, buggies, automobiles, etc. Bottom of cylinder, 4 feet below pump platform.

For wells up to 25 feet deep order set length pump and extra pipe to reach water. For deeper wells order pump standard only, cylinder and extra pipe and pump rod to let cylinder down into water.

42H2392¼—Set Length Pump with 2½-inch cylinder. Shipping wt., 100 lbs. Price **$9.10**

42H2393¼—Same Pump with 3-inch cylinder. Shipping weight, 105 lbs. Price **$9.25**

42H2394¼—Same Pump with 3½-inch cylinder. Shipping wt., 110 lbs. Price.**$9.75**

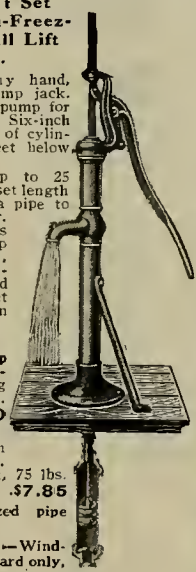
For galvanized pipe add 25 cents.

42H2396¼—Pump Standard only, without cylinder, pipe or pump rod. Shipping weight, 65 pounds. Price .. **$6.50**

Cock Spout, $1.65 Extra.

Back Attachment, $1.50 Extra.

High Spout Set Length Anti-Freezing Windmill Lift Pump.



Operates by hand, windmill or pump jack. A good strong pump for farm service. Six-inch stroke. Bottom of cylinder comes 4 feet below platform.

For wells up to 25 feet deep order set length pump and extra pipe to reach to water. For deeper wells order pump standard only, cylinder and extra pipe and pump rod to let cylinder down into water.

42H2400¼ Windmill Pump with 3-inch cylinder. Shipping weight, 70 lbs. Price ..**$7.20**

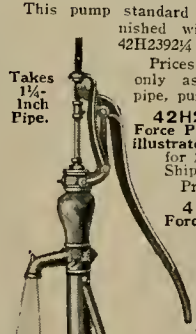
42H2401¼ Same Pump with 3½-in. cylinder. Shipping weight, 75 lbs. Price **$7.85**

For galvanized pipe add 25 cents.

42H2404¼—Windmill Pump Standard only, without cylinder, pipe or pump rod. Shipping wt., 50 lbs. Price.... **$4.60**

Windmill Force Pump Standard.

This pump standard is the same as furnished with set length pump 42H2392¼ described above.



Takes 1¼-Inch Pipe.

Prices are for standard only as illustrated, but no pipe, pump rod or cylinder.

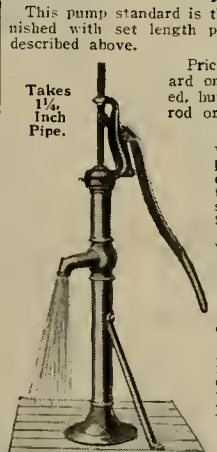
42H2396¼—Windmill Force Pump Standard only as illustrated, 6-in. stroke. Tapped for 2-inch pipe or smaller. Shipping weight, 65 lbs. Price **$6.50**

42H2397¼—Windmill Force Pump Standard only as illustrated, 10-in. stroke. Tapped for 2-inch pipe or smaller. Shipping wt., 70 lbs. Price **$7.15**

42H2413¼—Pump Standard only as illustrated, except without windmill extension. This pump standard is same as Standard furnished with pumps 42H2409¼, etc., as listed at the left. For hand pumping only. No windmill attachment, 6-inch stroke. Tapped for 1¼-inch pipe. Shipping weight, 45 pounds. Price **$5.65**

Windmill Lift Pump Standard.

This pump standard is the same as furnished with set length pump 42H2400¼, described above.



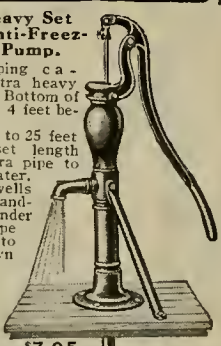
Takes 1¼-Inch Pipe.

Prices include standard only as illustrated, but no pipe, pump rod or cylinder.

42H2404¼ Windmill Lift Pump Standard only as illustrated, 6-inch stroke. Tapped for 2-in. pipe or smaller. Shpg. wt., 50 lbs. Price... **$4.60**

42H2405¼ Windmill Lift Pump Standard only as illustrated. 10-inch stroke. Tapped for 2-inch pipe or smaller. Shpg. wt., 55 lbs. Price **$5.45**

Extra Heavy Set Length Anti-Freezing Lift Pump.



Large pumping capacity and extra heavy construction. Bottom of cylinder comes 4 feet below platform.

For wells up to 25 feet deep order set length pump and extra pipe to reach to water. For deeper wells order pump standard only, cylinder and extra pipe and pump rod to let cylinder down into water.

42H2382¼ Set Length Pump with 3½-inch cylinder. Shipping wt., 80 lbs. Price .. **$7.95**

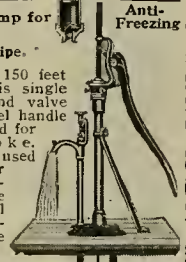
42H2383¼—Same Pump with 4-inch cylinder. Shipping wt., 85 lbs. Price ... **$8.95**

For galvanized pipe add 25 cents.

Takes 1¼-Inch Pipe.

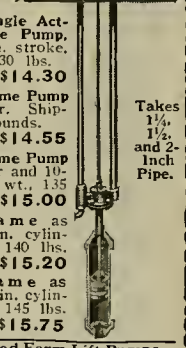
42H2386¼—Pump Standard only, without cylinder, pipe or pump rod. Shipping weight, 50 lbs. Price.... **$4.60**

Windmill Force Pump for Deep Wells. Underground Pipe.



Anti-Freezing

For wells up to 150 feet deep. This pump is single acting. Underground valve is operated by wheel handle on spout. Furnished for 6- or 10-inch stroke. This pump is much used for deep tubular wells. It is especially adapted for use with our special tubular well cylinders shown on page 723.



Takes 1¼, 1½, and 2-Inch Pipe.

42H2424¼—Single Acting Windmill Force Pump, 2½-in. cylinder, 6-in. stroke. Shipping weight, 130 lbs. Price **$14.30**

42H2425¼—Same Pump with 3-inch cylinder. Shipping weight, 135 pounds. Price **$14.55**

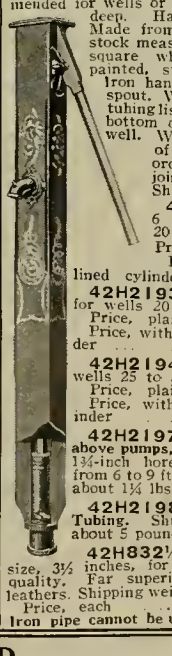
42H2428¼—Same Pump with 2½-in. cylinder and 10-inch stroke. Shpg. wt., 135 lbs. Price..... **$15.00**

42H2429¼—Same as 42H2428¼, with 3-in. cylinder. Shipping wt., 140 lbs. Price **$15.20**

42H2430¼—Same as 42H2428¼, with 3½-in. cylinder. Shipping wt., 145 lbs. Price **$15.75**

Easy Working Wood Farm Lift Pumps.

The light acting, easy working feature of the wood pump outfit and its large pumping capacity makes it very popular. This type of pump is suitable and recommended for wells or cisterns up to 30 feet deep. Has 3½-inch cylinder. Made from first grade 6x6-inch stock measuring about 5½ inches square when dressed. Nicely painted, striped and varnished. Iron handle brackets and iron spout. When ordering include tubing listed below to reach from bottom of pump to bottom of well. When more than 9 feet of tubing is required order coupling for each joint to connect tubing. Shipping weight, 38 lbs.



42H2192¼—Length, 6 feet, for wells up to 20 feet deep. Price, plain pump.**$5.10** Price, with porcelain lined cylinder **$6.30**

42H2193¼—Length, 7 feet, for wells 20 to 25 feet deep. Price, plain pump ..... **$5.55** Price, with porcelain lined cylinder **$6.75**

42H2194¼—Length, 8 ft., for wells 25 to 30 feet deep. Price, plain pump... **$6.00** Price, with porcelain lined cylinder **$7.20**

42H2197¼—Tubing to fit above pumps, 4 inches square, with 1¾-inch bore in random lengths from 6 to 9 ft. Shpg. wt., per foot, about 1¼ lbs. Price, per foot. **18c**

42H2198¼—Couplings for Tubing. Shipping weight, each, about 5 pounds. Price, each **54c**

42H832¼—Pioneer Leathers, size, 3½ inches, for above pumps. High quality. Far superior to cross grained leathers. Shipping weight, each, about 8 oz. Price, each **18c**

Iron pipe cannot be used with wood pumps.

Ready Made Pumping Outfits

High Spout Anti-Freezing Windmill Lift Pumping Outfit for Dug or Drilled Wells.

A strong, well made Pumping Outfit especially adapted for farm pumping service. Extra high spout feature makes it easy to deliver water to stock watering tanks, etc., near pump.

Complete outfit includes 42H2400¼ pump as described on page 721, with cylinder pipe and galvanized pump rod all cut and fitted ready to install in depths of wells specified. **State if black or galvanized pipe is wanted.**

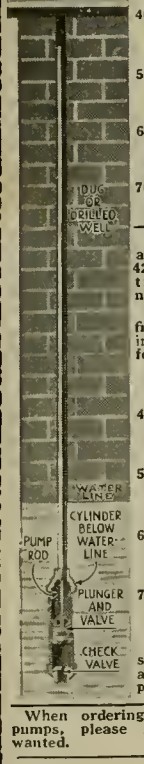
42H2464¼—Pumping Outfit as described, for 30-foot well. Shipping weight, 150 pounds.
Price, with black pipe **$11.20**
With galvanized pipe. **12.10**

42H2466¼—Same Outfit, for 40-foot well. Shpg wt., 175 lbs.
Price, with black pipe. **$12.75**
With galvanized pipe.. **13.95**

42H2468¼—Same Outfit, for 50-foot well. Shpg. wt., 202 lbs.
Price, with black pipe. **$14.30**
With galvanized pipe.. **15.80**

42H2470¼—Same Outfit, for 60-foot well. Shpg. wt., 230 lbs.
Price, with black pipe. **$15.85**
With galvanized pipe.. **17.70**

42H2472¼—Same Outfit, for 70-foot well. Shpg. wt., 256 lbs.
Price, with black pipe. **$17.40**
With galvanized pipe.. **19.25**



Outfits quoted below same as above, except Hand Pump 42H2360¼, as described and illustrated on page 721, is furnished instead of windmill pump.

42H2440¼—Pumping Outfit as described, with hand pump instead of windmill pump for 30-foot well. Shipping wt., 145 lbs.
Price, with black pipe. **$10.80**
With galvanized pipe. **11.70**

42H2442¼—Same Outfit, for 40-foot well. Shpg. wt., 170 lbs.
Price, with black pipe **$12.35**
With galvanized pipe. **13.55**

42H2444¼—Same Outfit, for 50-foot well. Shpg. wt., 197 lbs.
Price, with black pipe. **$13.90**
With galvanized pipe. **15.40**

42H2446¼—Same Outfit, for 60-foot well. Shpg wt., 225 lbs.
Price, with black pipe. **$15.45**
With galvanized pipe. **17.30**

42H2448¼—Same Outfit, for 70-foot well. Shpg. wt., 251 lbs.
Price, with black pipe. **$17.00**
With galvanized pipe. **18.85**

For Brass Body Cylinder instead of iron cylinder on any of above outfits, add $2.10 to the price quoted.

When ordering repair parts for any of our pumps, please give casting number of part wanted.

Anti-Freezing Windmill Lift Pumping Outfit for Drive Well.

Same as Outfits 42H2464¼, etc., as described at left, except that it is furnished with 1¼-inch 60-gauze well point, 30 inches long, for drive well. **State if black or galvanized pipe is wanted.**

42H2492¼ Drive Well Pumping Outfit as described, for 10-foot well. Shpg. wt., 97 lbs.
Price, with black pipe **$9.20**
With galvanized pipe **$9.50**

42H2493¼ Same Outfit, for 15-foot well. Shpg. wt., 110 lbs. Price, with black pipe **$9.65**
With galvanized pipe **$10.10**

42H2494¼—Same Outfit, for 20-foot well. Shpg. wt., 120 lbs. Price, with black pipe. **$10.10**
With galvanized pipe **$10.70**

42H2495¼—Same Outfit, for 25-foot well. Shpg. wt., 130 lbs. Price, with black pipe **$10.55**
With galvanized pipe **$11.30**

Outfits quoted below are same as above, except Hand Lift Pump, same as 42H2360¼, described and illustrated on page 721, is furnished instead of Windmill Pump.

42H2498¼ — Drive Well Pumping Outfit as described, with hand pump instead of windmill pump for 10-foot well. Shpg. wt., 87 lbs.
Price, with black pipe **$8.80**
With galvanized pipe **$9.10**

42H2499¼ — Same Outfit, for 15-foot well. Shpg. wt., 100 lbs. Price, with black pipe. **$9.25**
With galvanized pipe **$9.70**

42H2500¼ — Same Outfit, for 20-foot well. Shpg. wt., 110 lbs. Price, with black pipe. **$9.70**
With galvanized pipe **$10.30**

42H2501¼ — Same Outfit, for 25-foot well. Shpg. wt., 120 lbs. Price, with black pipe **$10.15**
With galvanized pipe **$10.90**

For Brass Body Cylinder instead of iron cylinder on any of above outfits, add $2.10.

Extra Heavy Windmill Force Pumping Outfit for Dug or Drilled Wells.

Complete outfit includes 42H2393¼ pump as described on page 721, with cylinder pipe and galvanized pump rod all cut and fitted ready to install in depths of wells specified. **State if black or galvanized pipe is wanted.**

42H2474¼
Pumping Outfit as described, for 30-foot well. Shpg. wt., 172 lbs. Price, with black pipe **$13.25**
With galvanized pipe **$14.15**

42H2476¼ — Same Outfit, for 40-foot well. Shpg. weight, 200 lbs. Price, with black pipe **$14.80**
With galvanized pipe. **16.00**

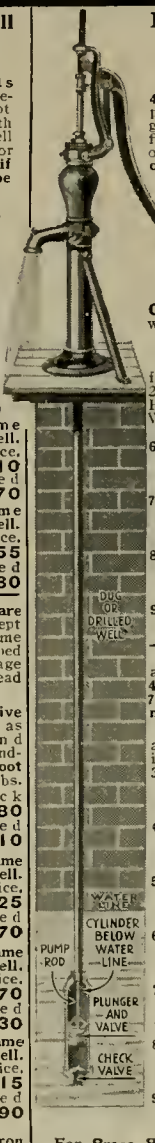
42H2478¼—Same Outfit for 50-foot well. Shipping wt., 227 pounds.
Price, with black pipe **$16.35**
With galvanized pipe. **17.85**

42H2480¼—Same Outfit, for 60-foot well. Shpg. wt., 254 lbs.
Price, with black pipe. **$17.90**
With galvanized pipe **19.70**

42H2482¼—Same Outfit, for 70-foot well. Shpg. wt., 282 lbs.
Price, with black pipe. **$19.45**
With galvanized pipe **21.55**

42H2484¼—Same Outfit, for 80-foot well. Shpg. wt., 310 lbs.
Price, with black pipe. **$20.00**
With galvanized pipe **23.40**

42H2486¼—Same Outfit, for 90-foot well. Shpg. wt., 337 lbs.
Price, with black pipe. **$21.55**
With galvanized pipe **25.25**



Outfits quoted below are same as above, except Hand Pump 42H2410¼, as described on page 721, is furnished instead of Windmill Pump.

42H2450¼—Pumping Outfit as described, with hand pump instead of windmill pump for 30-foot well. Shpg. wt., 150 lbs.
Price, with black pipe. **$12.00**
With galvanized pipe. **13.90**

42H2452¼—Same Outfit, for 40-foot well. Shpg. wt., 176 lbs.
Price, with black pipe. **$13.55**
With galvanized pipe **14.80**

42H2454¼—Same Outfit, for 50-foot well. Shpg. wt., 203 lbs.
Price, with black pipe. **$15.10**
With galvanized pipe. **16.35**

42H2456¼—Same Outfit, for 60-foot well. Shpg. wt., 231 lbs.
Price, with black pipe. **$16.65**
With galvanized pipe. **17.90**

42H2458¼—Same Outfit, for 70-foot well. Shpg. wt., 258 lbs.
Price, with black pipe. **$18.20**
With galvanized pipe. **19.45**

42H2460¼—Same Outfit, for 80-foot well. Shpg. wt., 285 lbs.
Price, with black pipe. **$19.75**
With galvanized pipe **21.60**

42H2462¼—Same Outfit, for 90-foot well. Shpg. wt., 312 lbs.
Price, with black pipe. **$21.30**
With galvanized pipe **23.15**

For Brass Body Cylinder instead of iron cylinder on any of above outfits, add $2.10.

Drive Well Pump Outfit With Heavy Windmill Force Pump.

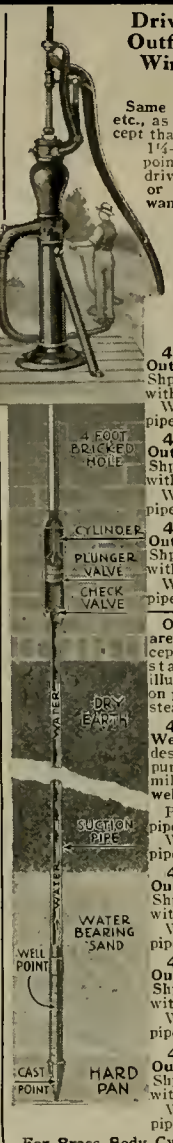
Same as Outfits 42H2474¼, etc., as described at left, except that it is furnished with 1¼-inch 60-gauze well point, 30 inches long, for drive well. **State if black or galvanized pipe is wanted.**

42H2504¼ Drive Well Pumping Outfit as described, for 10-foot well. Shpg. wt., 120 lbs.
Price, with black pipe **$11.25**
With galvanized pipe **$11.55**

42H2505¼ — Same Outfit, for 15-foot well. Shpg. wt., 130 lbs. Price, with black pipe. **$11.70**
With galvanized pipe **$12.15**

42H2506¼ — Same Outfit, for 20-foot well. Shpg. wt., 140 lbs. Price, with black pipe **$12.15**
With galvanized pipe **$12.75**

42H2507¼ — Same Outfit, for 25-foot well. Shpg. wt., 150 lbs. Price, with black pipe **$12.60**
With galvanized pipe **$13.35**



Outfits quoted below are same as above, except hand force pump standard, 42H2410¼, illustrated and described on page 721, furnished instead of windmill pump.

42H2510¼ — Drive Well Pumping Outfit as described, with hand pump instead of windmill pump for 10-foot well. Shpg. wt., 110 lbs.
Price, with black iron pipe **$10.00**
With galvanized pipe **$10.30**

42H2511¼ — Same Outfit, for 15-foot well. Shpg. wt., 120 lbs. Price, with black pipe **$10.45**
With galvanized pipe **$10.90**

42H2512¼ — Same Outfit, for 20-foot well. Shpg. wt., 130 lbs. Price, with black pipe. **$10.90**
With galvanized pipe **$11.50**

42H2513¼ — Same Outfit, for 25-foot well. Shpg. wt., 140 lbs. Price, with black pipe **$11.35**
With galvanized pipe **$12.10**

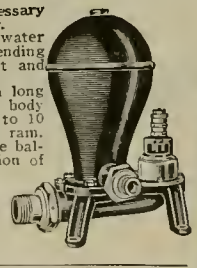
For Brass Body Cylinder instead of iron cylinder on any of above outfits, add $2.10.

Let Our Simplex Hydraulic Ram Pump Water for You.

No engine, electric motor or other artificial source of power necessary to drive this pump It makes the water pump itself by its own power.

Our Simplex Hydraulic Ram, illustrated at the right, will pump water anywhere from 20 to 120 feet above point where it is placed, depending upon height of fall of water to ram. It works continuously night and day and never gets tired.

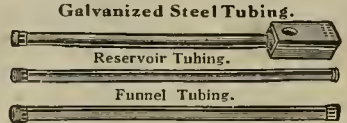
Will elevate water to a high tank or reservoir or will force it a long distance from the source of supply. Set the ram below a spring or body of water at a distance of from 25 to 50 feet. Will lift water 4 to 10 feet for every foot of fall (difference in level) between water and ram. The ram lifts about one-seventh of the water which runs into it; the balance of the water runs out of the ram at the valve in the operation of lifting. All you have to do is to connect the supply or feed pipe to ram and place one end in the water. Connect the discharge pipe to the other side of ram and run it to your storage tank. Ram will not work with less than 2 feet of fall. We furnish all directions for installing. Better write and tell us just what conditions you have to operate a ram and we will prepare a special estimate. Ask for our Hydraulic Ram Circular No. 7429GC, sent postpaid on request.



Catalog No.	Gallons of Water per Minute Necessary to Operate Ram	Size of Supply Pipe	Size of Discharge Pipe	Shipping Weight, About Lbs.	Price
42H2300¼	½ to 2	¾ in.	½ in.	32	$10.95
42H2301¼	1½ to 4	1 in.	½ in.	41	13.30
42H2302¼	3 to 7	1¼ in.	¾ in.	58	17.10
42H2303¼	6 to 11	2 in.	1 in.	76	21.00
42H2304¼	11 to 25	2½ in.	1¼ in.	98	36.25

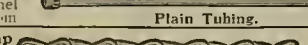
Used in connection with 42H2221¼ and 42H2201¼ Chain Pumps as listed at the right. Furnished in 5, 6, 7 or 8-foot lengths. Reservoir tubing is used in connection with the pump curb. Funnel tubing goes at bottom of pump and plain tubing connects reservoir and funnel tubing where the two are not sufficient. Shpg. wt., per foot, about 12 oz. **State length and kind wanted.**

Galvanized Steel Tubing.



42H2256¼
Price, per foot . **15c**

Galvanized Pump Chain.

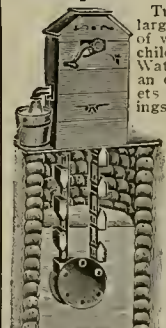


Extra chain for chain pumps. Shipping weight, per foot, about 5 ounces.
42H370—Price, per foot **4c**

Chain Pump Buckets.

Rubber Buckets for chain pumps. Shpg. wt., about 3 oz.
42H368
Price, each **3½c**
Per dozen..**40c**

Challenge Wood Curb Purifying Pumps.



Turning of crank gives large, continuous steady flow of water at pump spout. A child can easily operate it. Water is raised by means of an endless chain with buckets which pass around bearings in pump and well. Buckets carry air to bottom of well, where it is released and works its way to the surface in small bubbles. These bubbles liberate the gases the water contains, while the oxygen in the air helps to purify the water. Order outfit that will reach to within 2 feet of well bottom, as water is cooler and fresher at this point. Pumps consist of wood curb nicely painted, galvanized endless chain with buckets and lower bearing all ready to place in well. Shipping weight, about 90 pounds.

42H2211¼—For 10-foot well ....**$ 7.95**
42H2212¼—For 15-foot well..... **9.70**
42H2213¼—For 20-foot well..... **11.35**
42H2214¼—For 25-foot well..... **12.95**
42H2215¼—For 30-foot well **14.40**

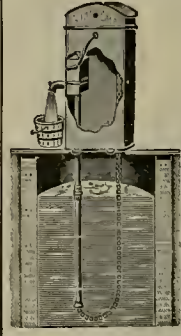
Challenge Steel Curb Bucket Chain Pumps.

Same as our 42H2211¼, etc., illustrated above, except that galvanized steel curb or top casing illustrated at right is furnished instead of wood. Shipping wt., about 90 lbs.

42H2232¼—For 10-foot well ... **$ 9.70**
42H2233¼—For 15-foot well..... **11.35**
42H2234¼—For 20-foot well..... **13.00**
42H2235¼—For 25-foot well..... **14.75**
42H2236¼—For 30-foot well..... **16.35**

42H2231—Extra Galvanized Buckets and Chain to fit any of above pumps, with either wood or steel curb. Shipping wt., per foot, about 12 ounces. Price, per foot..... **18c**

Steel Curb Tubular Chain Pump.



Turning of crank gives large, continuous steady flow of water at pump spout. A child can easily operate it. For shallow wells or cisterns, not for deep wells. Curb is made of steel, nicely painted. Chain is heavily galvanized. Buckets furnished with this pump are made of good quality rubber with large inside flanges and links of galvanized steel, making it practically impossible for rubber to shift or become loose. We advise the use of this pump for wells no deeper than 20 feet. For wells of greater depth purchase one of our iron pumps. Shipping weight, about 75 pounds.

42H2221¼—For 10-foot well.. **$7.55**
42H2222¼—For 12-foot well .. **7.85**
42H2223¼—For 15-foot well... **8.35**
42H2224¼—For 18-foot well... **9.05**
42H2225¼—For 20-foot well... **9.55**

Wood Curb Tubular Chain Pump.

Same as our 42H2221¼, etc., illustrated above, except that wood curb or top casing illustrated at left is furnished instead of steel. Shpg. wt., about 64 lbs.

42H2201¼—For 10-foot well.. **$5.85**
42H2202¼—For 12-foot well... **6.15**
42H2203¼—For 15-foot well... **6.55**
42H2204¼—For 18-foot well... **7.45**
42H2205¼—For 20-foot well. **8.00**

Injectors, Safety Valves, Lubricators

Whistle With Valve for Steam or Air.

42H602—A clear sounding whistle made of brass throughout. Best workmanship and material.

Diam. of Bell, In.	Shpg. Wt., Abt., Lbs.	Size of Pipe, In.	Price
1	1	¼	$1.95
1¼	1¼	⅜	2.35
1½	1½	⅜	2.50
2	2¾	½	3.45
2½	4	¾	4.10
3	6	1	5.35
3½	7	1	7.25
4	9	1¼	9.45

Chime Whistle for Steam or Air.

42H606—Single bell, made of brass. Has three distinct tones properly blended. Very simple in construction. Clear, pleasing sound.

Diam. of Bell, In.	Shpg. Wt., Abt., Lbs.	Size of Pipe, In.	Price
2	3½	½	$ 5.90
3	7	¾	9.25
4	13	1	15.15
5	23	1¼	23.50
6	31	1½	35.30

Powdered Graphite Lubricant.

Very fine dry powdered pure graphite. Mix this with lubricating and cylinder oils and you will increase their lubricating value. Excellent for automobiles, gasoline engines and machinery. The highly efficient lubricating properties of graphite are recognized by all engineers.

42H776—1-pound can.....$0.36
42H777—5-pound can..... 1.75

Water Conductors.

42H856—Hang on pump spout and connect with iron pipe for conducting water to tank or trough. State size wanted. Shipping weight, about 5¼ pounds.

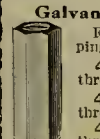
Price for 1¼-inch pipe.....38c
Price for 1½-inch pipe.....53c

Round Steel Pump Rod.

42H2290—For connecting pump cylinders to pump heads. Furnished in any length desired up to 20 feet. Size, 7/16 inch. Not threaded. Shipping wt., per foot, about 8 ounces.

Price, per foot.....4c
Threads, extra, per cut, 2 cents.
For Tools for threading Pump Rod, see page 872.

Galvanized Rod Couplings.



For steel pump rods. Shipping weight, about 2 ounces.

42H820—Size, ⅜ inch, 14 threads to the inch. Price..4c
42H822—Size, 7/16 inch, 12 threads to the inch. Price..5c
42H824—Size, ½ inch, 14 threads to the inch. Price..6c

Gasoline Engine Lubricator.

With Brass Ball Check. Easy to take apart and clean. Polished brass. Has snap lever. Not affected by vibration of engine or machinery. Sight feed. State size.

42H708

Capacity, In.	Pipe Size, In.	Shpg. Wt., Oz.	Lbs.	Price
1½	¼	¾		$0.90
2	2½	⅝	1¼	.95
3	4	⅝	1⅜	1.05
4	5	⅝	1½	1.25
5	10	½	2¼	1.70
6	Pint	½	3¼	2.20

Steam Engine Lubricator.

Polished brass with wood handles. To fill, close lower valve and remove cover. When filled, replace cover, open valve and oil feeds to cylinder.

42H724

No.	Capacity, Oz.	Pipe Size, In.	Shpg. Wt., Lbs.	Price
00	¾	⅜	1	$0.95
0	1	⅜	1	1.05
1	1¼	⅜	1	1.15
2	1½	½	1¼	1.25
3	2½	½	1½	1.40
4	4	½	2	1.55
5	5	½	2¼	1.80
6	10	¾	2¾	2.25

Brass Safety Valve for Air or Steam.

Brass. For steam boilers, air tanks, etc. Releases excess pressure. Furnished set for 50 or 100 lbs. only. When ordering state which is wanted. State size.

42H598

Size, In.	Shpg. Wt., Abt., Lbs.	Price
½	1¼	$ 3.60
¾	1½	3.65
1	1¾	4.50
1¼	3½	5.40
1½	3¾	6.75
2	7¾	10.30

The H-D Ejector or Jet Pump.

For lifting and forcing water and other liquids in mines, pits or wells. Lifts 24 feet. With a steam pressure of 65 pounds will elevate water 50 to 60 feet. Has ground joint union. Nos. 1 to 5 made of brass. Nos. 6 and 7 made of iron. State size.

42H788

No.	Steam Connections, Inch	Delivery Suction and Abt., Lbs.	Shpg. Wt., Lbs.	Capacity, Gallons, per Hour, With 50 Pounds Pressure	Price
1	⅜	½	1¼	250	$ 2.00
2	½	¾	2	500	2.50
3	¾	1	3¼	960	4.80
4	1	1¼	4¾	1,300	5.05
5	1¼	1½	7	2,000	6.40
6	1¼	2	11½	4,000	8.90
7	1½	2½	20	8,000	11.90

Haocock Stationary Inspirator.

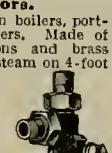
For stationary, marine and portable boilers. Body and working parts made of brass with ground joint unions and brass strainer. Handles, tee and nipple are iron, black japanned. Works with low or high steam pressure on lifts up to 25 feet. Water can be raised about 2½ feet for each pound of steam pressure. Handles feed water up to 150 degrees Fahrenheit. State size.

42H786

Size	Pipe Size, Suction and Delivery Steam, In.	Overflow, In.	Horse-Power Boiler	Shpg. Wt., About, Lbs.	Price
No. 7½	⅜	¼	4 to 6	5	$ 7.50
8¾	⅜	⅜	6 to 8	5¼	8.40
10	½	⅜	8 to 15	5½	9.35
12½	½	½	15 to 30	5¾	11.70
15	½	½	30 to 40	9	13.95
17½	¾	¾	40 to 60	12	18.65

Automatic Injectors.

For feeding water into traction boilers, portable and stationary power boilers. Made of brass with ground joint unions and brass strainer. Starts on 20 pounds steam on 4-foot lift; works to 150 pounds steam on 4-foot lift; lifts water 18 to 20 feet on 60 to 80 pounds steam pressure, handles hot water 120 to 125 degrees at 60 to 80 pounds steam and 85 to 100 degrees at 125 pounds pressure. Our injectors deliver a maximum quantity of water. State size.



42H784

Size No.	All Pipe Connections, Inch	Horse-Power, Boiler	Shipping Weight, Pounds	Price
20	⅜	2 to 6	3	$ 5.05
30	⅜	4 to 8	3½	5.40
35	½	8 to 16	4	6.05
40	½	16 to 23	4	6.80
50	¾	23 to 30	5	8.50
60	¾	30 to 45	5	10.20
70	1	45 to 65	9	13.60
80	1	65 to 80	9	15.30

Brass Oil Cup.

Polished brass. For low speed bearings. Give body diameter of cup wanted.

42H700

Body, Diam. In.	Pipe Size, In.	Shpg. Wt., Oz.	Price
¾	⅛	2	15c
1	⅛	4	19c
1¼	¼	6	29c
1½	⅜	8	43c
2	½	14	83c

Cast Brass Grease Cup.

Turning cap forces grease into bearings. Give capacity of cup wanted.

42H702

Capacity (Grease), Oz.	Pipe Size, In.	Shpg. Wt., Oz.	Price
½	⅛	3	19c
½	¼	4	24c
⅞	¼	5	28c
1	⅜	9	38c
2	⅜	12	59c
3½	½	12	59c
5	½	22	83c

Snap Lever Oil Cup.

Polished brass, glass body. Needle valve, sight feed and snap lever stop. Not affected by vibration. Give capacity of cup wanted.

42H710

Capacity, Oz.	Pipe Size, In.	Shpg. Wt., Oz.	Price
⅝	⅛	5	$0.65
1	¼	7	.69
1½	¼	9	.75
2½	⅜	12	.81
4	⅜	16	.91
5	⅜	18	1.15
10	½	28	1.55

Automatic Grease Cup.

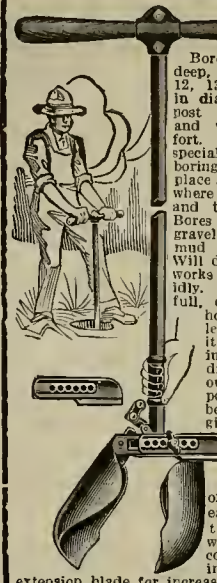
Pressure of spring on grease forces it into the bearing. Has adjustable feed. Polished brass. Give capacity of cup wanted.

42H704

Capacity (Grease), Pipe Size, In. Shpg. Wt., Oz. Price

Oz.	In.	Lbs.	Price
⅓	⅛	¼	$0.51
1	¼	½	.66
1½	¼	¾	.82
3	⅜	1¼	1.15
6	½	2	1.60
10	½	2¼	2.30

Well Boring Outfit.



Bores wells 25 feet deep, 8, 9, 10, 11, 12, 13 or 14 inches in diameter, or digs post holes quickly and with little effort. Requires no special machinery for boring wells; simply place auger on ground where you want well and turn handle. Bores through sand, gravel, sticky clay, mud or hard pan. Will dig under water; works easily and rapidly. When auger is full, draw it out of hole, pull up release catch and it opens, allowing earth to drop out without shaking or pounding. Can be used for digging holes for foundation piling for barns, etc.

Outfit consists of a new type earth auger, extension rods with malleable couplings for boring down 25 feet, extension blade for increasing diameter of hole and a smooth finish hardwood handle. Shipping weight, about 50 pounds.

42H1778¼—Hercules Well Boring Outfit and Post Hole Digger, complete as described above.....$7.45
For complete line of Post Hole Implements see page 845.

Spiral Earth Augers.

42H1704¼—Boring wells, prospecting, etc. Tool steel auger with pipe shank. Works inside of pipe. State size. Order auger one size smaller than inside diameter of pipe.

Outside Diam. Auger	Shpg. Wt., Pipe, About	Shank Size	Price
2 in.	7 lbs.	1 in.	$ 4.95
2½ in.	12 lbs.	1¼ in.	5.50
3 in.	14 lbs.	1¼ in.	5.90
3½ in.	18 lbs.	1½ in.	7.15
4 in.	35 lbs.	2 in.	8.40
5 in.	52 lbs.	2 in.	16.80
6 in.	68 lbs.	2 in.	21.00

Hydraulic Jet Pump Drill.

42H836

Sand Pump and a Drill combined. Made of solid piece of steel with leather valve. Sizes given are for size pipe drills will pass through. Shipping wt., about 4½ pounds. Size, inches. 2 2½ 3
Threaded for pipe size.. 1 in. 1 in. 1¼ in.
Price, ea..$1.85 $2.95 $3.95

Float Valves.

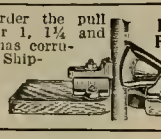
42H838

Size, inches	Shpg. Wt., Lbs.	Valve only
¾	3	.81c
1	3	94c
1¼	3¼	$1.10
1½	7	$2.40

Float Valve to regulate supply of water in watering troughs, tanks, etc. By changing position of lever, valve can be placed on bottom or side of tank.

42H858—Copper Tank Float used in connection with above Float Valve for opening and closing it. Size, 9½x23⅝ inches. Shipping weight, about 2 pounds. Price.....$1.40

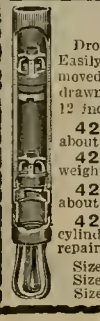
42H1780¼—Harder the pull tighter the grip. For 1, 1¼ and 1½-inch pipe. Dog has corrugated chilled surface. Shipping wt., abt. 35 lbs. Price $2.50



Pipe Lifting Clevis.

42H854—Used to prevent pipe from slipping when being taken from well. For 1¼ and 1½-inch pipe. Shipping weight, about 11½ pounds.
Price $1.20

Tubular Well Cylinders.



Dropped down into pipe of sizes listed below. Easily set in pipe at any desired depth or removed for repairing. Body made of seamless drawn brass tubing with brass valves. Stroke, 12 inches. Not made smaller than 2 inches.

42H1120¼—Size, 2 inches. Shipping wt., about 7 pounds. Price.....$4.20
42H1121¼—Size, 2½ inches. Shipping weight, about 9 pounds. Price.....$6.65
42H1122¼—Size, 3 inches. Shipping wt., about 12 pounds. Price.....$9.95
42H818—Seating tools for placing above cylinders in well and for drawing them out for repairs. State size wanted. Shipping wt., 1½ lbs.
Size, 2 -inch. Price.....45c
Size, 2½-inch. Price.....66c
Size, 3 -inch. Price.....88c

Iron and Brass Body Pump Cylinders.

10-inch cylinders have 6-inch stroke, 12-inch an 8-inch stroke, and 16-inch a 10-inch stroke. Cylinders 3½ inches in diameter fitted for 1½-inch pipe; 4 inches in diameter for 2-inch pipe; all others fitted for 1¼-inch pipe. 10-inch cylinders have one leather on plunger. 12 and 16-inch cylinders have two. Brass body cylinders have a brass cage and valve in the plunger.

IRON BODY CYLINDERS.

	Diam., Inches	Shpg. Wt., About, Lbs.	10 In. Long	Wt., About, Lbs.	12 In. Long	Abt., Lbs.	16 In. Long
42H1100¼	2	9	$1.25	10	$1.85	12	$2.05
42H1101¼	2½	11	1.45	12	2.05	16	2.35
42H1102¼	3	12	1.70	14	2.35	18	2.70
42H1103¼	3½	15	2.35	19	3.05	24	3.80
42H1104¼	4	21	3.05	24	3.85	30	4.85

BRASS BODY CYLINDERS. Weights same as Iron Body.

	Diam., In.	10 In. Long	12 In. Long	16 In. Long
42H1112¼	2	$3.15	$3.35	$3.80
42H1113¼	2½	3.35	3.60	4.30
42H1114¼	3	3.80	3.95	4.75
42H1115¼	3½	4.40	4.75	5.70
42H1116¼	4	5.50	5.95	7.40

Prices on larger cylinders quoted on application.

Sand Pumps.

42H1708¼

Takes sand and dirt from bored and drilled wells.

Size, 3 in. Shpg. wt., about 6 lbs. Price.$2.95

Size, 4 in. Shpg. wt., abt. 10 lbs. Price.$3.95

Prices on 5, 6, 7 and 8-in. quoted on application.

New Process Pump Leathers.

42H828—Made of good quality leather, saturated with a special compound which makes it waterproof and very tough. Will give extra long wear. Shipping weight, about 8 ounces. Sizes are inside diameter of cylinders.

Size, inches	2	2¼	2½	2¾
Price	11c	13c	14c	16c
Size, inches	3	3¼	3½	3¾ 4
Price	18c	21c	24c	30c 35c

42H830—Made of very tough good quality leather. Will give long and satisfactory wear. Shipping weight, 4 ounces.

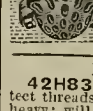
Diam., cylinder, in.	2	2¼	2½	2¾
Price	4c	5c	6c	7c
Diameter, cylinder, in.	3	3¼	3½	3¾ 4
Price	8c	10c	11c	13c 14c

State size wanted.
When ordering 42H830 for iron cylinder give inside diameter of cylinder and when for brass body cylinders specify leathers ¼ inch less than inside diameter of cylinder.

Wood Farm Pump Leathers.

42H832—For pump with wood plungers. Shipping weight, about 4 ounces.
For 3½-inch or smaller plunger. Price. 18c

Combination Foot Valves and Strainers.

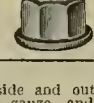


42H894—A combination Foot Valve and Strainer. Screwed on end of pump suction pipe. Acts as a check valve. Every pump should be equipped with a foot valve and strainer.

Pipe, size, inches.	1¼	1½	2
Shpg. wt., abt., lbs.	3¾	5½	7
Price, black	60c	$0.78	$1.05
Price, galvanized	95c	1.25	1.85

Malleable Iron Driving Caps.

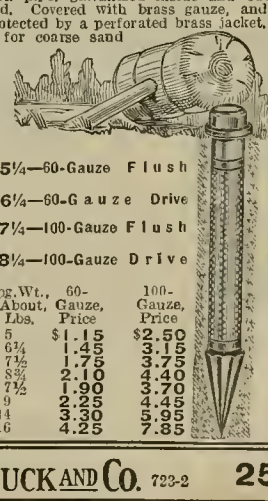
42H834—Screwed on top of pipe to protect threads when driving it down. Made extra heavy; will not crush threads.



Size, inches	1¼	1½	2
Shipping wt., about, lbs.	1½	2	2¾
Price	25c	30c	55c

Drive Well Points.

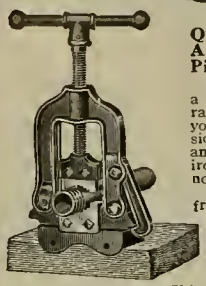
Made of wrought iron pipe, galvanized inside and out after holes are punched. Covered with brass gauze, and gauze is covered and protected by a perforated brass jacket. No. 60 gauze is used for coarse sand and No. 100 gauze for fine sand. Flush point is dropped into tubular wells. Drive well point is driven into sand.



42H1695¼—60-Gauze Flush Well Point.
42H1696¼—60-Gauze Drive Well Point.
42H1697¼—100-Gauze Flush Well Point.
42H1698¼—100-Gauze Drive Well Point.

Diameter, In.	Lgth., In.	Shpg. Wt., About, Lbs.	60-Gauze, Price	100-Gauze, Price
1¼	24	5	$1.15	$2.50
1¼	30	6¼	1.45	3.15
1¼	36	7½	1.75	3.75
1¼	42	8¾	2.10	4.40
1½	30	7½	1.90	3.70
1½	36	9	2.25	4.45
2	36	14	3.30	5.95
2	48	16	4.25	7.85

Pipefitters' Tools - Unusual Values



Quick Action Pipe Vise.

Give handle half a turn, lift up latch, raise top of vise and you can take pipe out sideways. Holds pipe, rods and bars. Made of malleable iron with steel jaws, guaranteed not to break.

42H1668¼—No. 0. Holds pipe from ¼ to 1½ inches. Shipping wt., about 8 pounds. Price.....**$2.25**

42H1669¼—No. 1. Holds pipe from ¼ to 2½ inches. Shipping wt., about 15 pounds. Price.....**$2.90**

42H1670¼—No. 2. Holds pipe from ¼ to 3 inches. Shipping wt., about 20 lbs. Price...**$4.20**

Steel Jaws for Above.

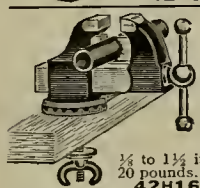
42H1410—Jaws for No. 0 vise. Price, per set.**$0.88**
42H1411—Jaws for No. 1 vise. Price, per set. **1.10**
42H1412—Jaws for No. 2 vise. Price, per set. **1.60**

Hercules Pipe Grip.

One of the handiest little tools you could have in your shop. Consists of two malleable iron jaws mounted on steel spring loop. Changes your bench vise into a pipe vise instantly. Shipping weight, 8 ounces.

42H954—Price.....**27c**

Just the Tool You Need for the Work Bench in Your Garage or Shop.



A Combination Bench and Pipe Vise on a swivel base. Made extra strong. Jaws tempered tool steel. Screw and lever handle are cold rolled steel.

42H1660¼—Width of jaw, 3⅛ inches. Takes pipe ⅛ to 1¼ inches. Shipping weight, about 20 pounds. Price.....**$5.85**

42H1661¼—Width of jaw, 3½ in. Takes pipe ⅛ to 2 inches. Shipping weight, about 55 pounds. Price.....**$9.10**

42H1662¼—Width of jaw, 4¾ inches. Takes pipe ⅛ to 3 inches. Shpg. wt., abt. 78 lbs. Price..**$11.40**

When ordering repair parts for Vises please give casting number of part wanted. For other Vises see page 876.

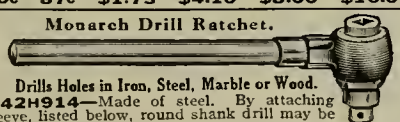
White Cotton Waste.

For cleaning and wiping mechanical parts, machinery, etc. Highly absorbent, pure white. No.1 quality.

42H1462¼

1 lb.	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
20c	**87c**	**$1.73**	**$4.10**	**$8.00**	**$16.00**

Monarch Drill Ratchet.



Drills Holes in Iron, Steel, Marble or Wood.

42H914—Made of steel. By attaching sleeve, listed below, round shank drill may be used.

10-inch. Shipping weight, 3½ pounds. Price.**$3.95**
12-inch. Shipping weight, 5½ pounds. Price. **4.45**
15-inch. Shipping weight, 7 pounds. Price. **5.15**

Twist Drills for Above Ratchet.

42H1413—Tool steel. Av. shpg. wt., about 10 oz

Diam.	Price	Diam.	Price
¼ in.	**$0.88**	½ in.	**$1.15**
5/16 in.	**.97**	9/16 in.	**1.20**
⅜ in.	**1.05**	⅝ in.	**1.25**
7/16 in.	**1.10**	¾ in.	**1.40**

For other Twist Drills see page 871.

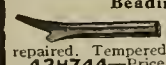
Ratchet Drill Sleeve. For Round Shank Drills.

Fits 42H914 Ratchet. Shipping weights, about 8 and 12 ounces.

42H916—For ½-in. round shank drills. Price.....**$1.15**

42H918—For ¾-in. round shank drills. Price.....**$1.20**

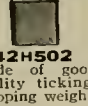
Beading or Calking Tool.



For turning over edges of boiler tubes. Leaky tube joints quickly repaired. Tempered tool steel. Shpg. wt., about 1½ lbs.

42H744—Price.....**46c**

Plumbers' Wiping Cloth

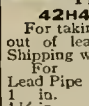


42H502

Made of good quality ticking. Shipping weight, 2 ounces.

Price....**20c**

Boxwood Drift Plugs.

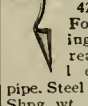


42H478

For taking kinks out of lead pipe. Shipping wt., 8 oz.

For Lead Pipe	Price
1 in.	**8c**
1¼ in.	**9c**
1½ in.	**10c**

Tap Borer.

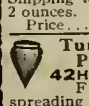


42H496

For boring and reaming lead pipe. Steel blade. Shpg. wt., 12 oz.

Price....**22c**

Turning Pins.



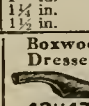
42H476

For spreading openings in lead pipe. Shpg. wt., 12 oz.

For 1-inch or smaller pipe**14c**

For 2-inch or smaller pipe**15c**

Boxwood Dresser.

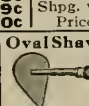


42H472

For heating or dressing lead pipe. Shipping weight, about 1¾ pounds.

Price..**78c**

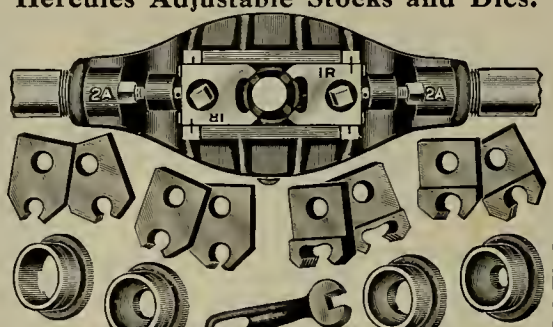
Oval Shave Hook.



42H474—For shaving lead pipe to make solder stick. Steel blade. Shipping weight, 12 oz.

Price.....**22c**

Hercules Adjustable Stocks and Dies.



Hercules Adjustable Stocks are fitted with dies that can be adjusted to cut a deep or shallow thread. The dies are quick and easy cutters and can be sharpened on grindstone or emery wheel when worn. Each die has a double taper, forming a lead which causes them to start on the pipe without filing, even when there is a swell or burr. **Parts interchangeable.**

Catalog No.	Size No.	Threads Pipe Size, In.	Shpg. Wt., Lbs.	Price, Complete Set	Extra Dies, Each Size, Two Pieces	Extra Guides
42H8801¼	2	¼ to 1 inclusive	15	**$6.95**	**$1.15**	**23c**
42H8821¼	2½	½ to 1¼ inclusive	23	**8.10**	**1.45**	**35c**
42H8841¼	2¾	¼ to 1¼ inclusive	25	**11.50**	**1.50**	**36c**
42H8861¼	3	1¼ to 2 inclusive	29	**10.40**	**2.60**	**43c**
42H8881¼	6	2½ and 3 inclusive	80	**26.95**		
42H8901¼	7	3½ and 4	100	**31.75**		

Prices quoted on application for Dies or Guides for 42H8881¼ and 42H8901¼ Stocks and Dies. When writing be sure to state size wanted.

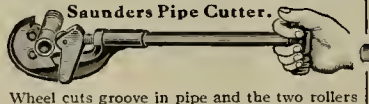
FOR BLACKSMITHS' DIE STOCKS SEE PAGE 874.

Barnes Three-Wheel Pipe Cutter.

Will cut off a pipe or tube by turning only one-third of the way around. Malleable iron. Has three tool steel cutting wheels.

42H850	No. 1	No. 2	No. 3
Cuts pipe from...	⅛ to 1 in.	½ to 2 in.	1½ to 3 in.
Shpg. wt., abt. lbs.	5	6½	10½
Price.....	**$2.15**	**$2.85**	**$4.75**
Extra wheels, ea.	**.12**	**.15**	**.20**

Saunders Pipe Cutter.



Wheel cuts groove in pipe and the two rollers roll edges down smooth. Malleable iron tool steel cutting wheel.

42H852	No. 1	No. 2	No. 3
Cuts pipe from...	⅛ to 1 in.	1 to 2 in.	2 to 3 in.
Shpg. wt., abt. lbs.	5	7	14½
Price.....	**$1.75**	**$2.60**	**$6.35**
Extra wheels, each	**.14**	**.19**	**.36**

Square Fantail Steel Flue Brush.

Size, 4x2½x5 in. Has two flat sides. Has flat spring steel bristles. A very durable brush. Fitted for ¼-inch pipe connection. Shpg. wt., 1¼ lbs.

42H750—Price..**60c**

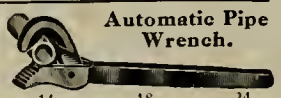
Steel Wire Flue Brush.

For cast iron heating boilers, furnaces, etc. Size, 2x4½x6 inches. Tapped for ¼-inch pipe connection. Shpg.wt.,1 lb.

42H752—Price..**75c**

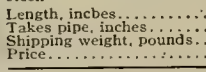
42H1150—Always ready. Grips pipe firmly and instantly. No adjusting necessary. A big time saver. One of the handiest pipe wrenches on the market. Made of drop forged steel.

Automatic Pipe Wrench.

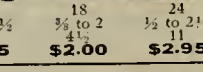


Length, inches	10	14	18	24
Takes pipe, inches	⅛ to 1	⅛ to 1½	⅜ to 2	½ to 2½
Shipping weight, pounds	1½	2½	4½	11
Price	**98c**	**$1.45**	**$2.00**	**$2.95**

Pipe Taps and Reamers.



42H904—Reamer.



42H906—Tap.

Drill the hole, ream it out, tap it and then screw in the pipe. Reamers and taps are both made of tempered tool steel and are the same price.

Size, inch	⅛	¼	⅜	½	¾
Shipping weight, ounces	2	3	4	6	11
42H904—Pipe Reamer, Price	**50c**	**60c**	**80c**	**$1.00**	**$1.40**
42H906—Pipe Tap, Price	**32c**	**39c**	**52c**	**.65**	**.95**
Size, inches	1	1¼	1½	2	
Shipping weight, pounds	1	1½	2¾	4½	
42H904—Pipe Reamer, Price	**$2.20**	**$2.95**	**$3.95**	**$5.90**	
42H906—Pipe Tap, Price	**1.45**	**1.90**	**2.50**	**3.80**	

A Quick and Easy Pipe Threader.

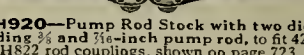
An easy to use solid die pipe threading stock for those desiring to do their own pipe fitting, as well as for the plumber or steamfitter. The various dies and guides can be quickly interchanged, as they are in one piece and need no adjusting. Stocks are made of malleable iron, cutters in dies are of tempered tool steel. Guaranteed to cut a clean, sharp thread. Nos. 2 and 3 furnished with lead screw, as shown in illustration. Lead screw not required on sizes smaller than No. 2.

	42H8601¼ No. 0	**42H8621¼** No. 1	**42H8641¼** No. 1½
Pipe size of dies	⅛,¼,⅜,½	¼,⅜,½,¾,1	¾,1,1¼.
Dimension of dies	2x1½	2½x¾	3x¾
Shpg. wt., abt., lbs.	6½	13½	14
Complete, with dies	**$4.60**	**$6.05**	**$5.50**
Extra dies, each	**.81**	**.92**	**1.15**
Extra guides, each	**.17**	**.23**	**.35**

	42H8631¼ No. 1⅞	**42H8661¼** No. 2	**42H8681¼** No. 3
Pipe size of dies	⅜,½,¾, 1,1¼,1½	1¼,1½,2	2½, 3
Dimension of dies	3x¾	4x⅞	5x1¼
Shpg. wt., abt. lbs.	20	23½	53
Complete, with dies	**$10.25**	**$8.40**	**$20.25**
Extra dies, each	**1.16**	**1.44**	**5.20**
Extra guides, each	**.35**	**.43**	**1.20**

For Pipe Taps see 42H906 on this page. They are not included at above prices.

For Threading Pump Rod.



42H920—Pump Rod Stock with two dies for threading ⅜ and 7/16-inch pump rod, to fit 42H820 and 42H822 rod couplings, shown on page 723. Dies are adjustable, made of tempered tool steel, set in malleable iron stock. Shipping weight, about 2 lbs.

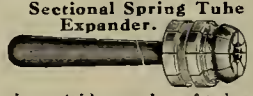
Price.....**$2.88**

Pipe Reamers.

Tapered Tool Steel Burring Reamer. Fits common bit brace. Removes burr from pipe after cutting.

	42H908	**42H910**	**42H912**
For pipe size	⅛ to 1 in.	¼ to 1¼ in.	½ to 2 in.
Shipping weight.	8 oz.	2 lbs.	3 lbs.
Price	**67c**	**76c**	**$1.85**

Sectional Spring Tube Expander.



Strong and practical. Made of high grade tool steel for ⅜-inch plate. In ordering give outside number of tubes.

42H740

Size, Inches	Expands From, Inches	Shipping Wt., About, Lbs.	Price, Each
1¾	1½ to 1¾	3½	**$5.15**
2	1 25/32 to 2	3¾	**5.60**
2¼	1 15/16 to 2¼	4¼	**6.10**
2½	2 5/32 to 2½	6	**7.00**
3	2⅝ to 3	8¼	**10.30**

Roller Tube Expander.

Steel with hardened rollers. Guaranteed satisfactory. Give outside diameter (not inside) of tube, the expander is to be used in.

42H742

Size, In.	Shpg. Wt., Lbs.	Price	Size, In.	Shpg. Wt., Lbs.	Price
1	2¼	**$3.60**	2½	8	**$5.05**
1¼	3	**3.65**	3	11	**6.50**
1½	3¼	**3.70**	3½	17	**8.30**
1¾	5	**3.75**	4	23	**10.80**
2	5½	**3.80**	5	38	**18.00**
2¼	8	**4.30**	6	55	**21.00**

Round Fantail Steel Flue Brush.

Made of flat spring steel, with wrought iron stem. Sizes given represent outside diameter of tube which brush fits.

42H748

Size, inches	1¾	2	2¼	2½	3
Shpg. wt., about, oz.	6	7	8	9	11
Price	**27c**	**29c**	**30c**	**32c**	**38c**

Hercules Spring Flue Cleaner.

Very effective Spiral spring knives, kept tight against flue and remove the soot with little effort. 3-inch size tapped for ⅜-inch pipe, other sizes for ¼-inch.

42H746

Size, In.	Shpg. Wt., Lbs.	Price	Size, In.	Shpg. Wt., Lbs.	Price
1¼	1¼	**$1.20**	2½	2	**$1.55**
2	1½	**1.25**	2¾	2¼	**1.60**
2¼	1¾	**1.35**	3	2½	**1.80**

Plumbers' and Pipefitters' Tools

Brock's Pipe Wrench.

They Hold Tight and Withstand the Strain.

Forged from bar steel, with removable jaw. Teeth are milled and tempered. Chain made of special steel.

42H1680¼

Size 1. Will hold pipe ¼ to 2 inches; length, 20 inches. Shipping weight, about 5 pounds. Price..... **$2.35**

Size 2. Will hold pipe ¼ to 3 inches; length, 27 inches. Shipping weight, about 9 pounds. Price..... **$3.40**

Size 3. Will hold pipe ¾ to 6 inches; length, 37 inches. Shipping weight, about 24 pounds. Price..... **$4.80**

For Other Wrenches See Page 875.

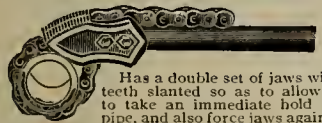
Stillson Pipe Wrench.

A well known, reliable pipe wrench, used by plumbers and steamfitters everywhere. Made of good quality tool steel, nicely finished; 6 and 8-inch wrenches fitted with wood handle; 10, 14, 18, 24, 36 and 48-inch fitted with steel handle. These Stillson wrenches are high grade in every respect, made to stand hard and rough usage. Parts subject to wear easily renewed at small expense. **Prices on repairs for Stillson Wrenches quoted on request.**

42H1148

Length, Open	Takes Pipe, In.	Shpg.Wt., Abt., Lbs.	Price
6 in.	⅛ to ½	½	**$0.78**
8 in.	⅛ to ¾	¾	**.88**
10 in.	⅛ to 1	1¼	**.97**
14 in.	¼ to 1½	3	**1.40**
18 in.	¼ to 2	5	**1.95**
24 in.	¼ to 2½	9	**2.80**
36 in.	½ to 3½	15	**5.25**
48 in.	1 to 5	60	**7.80**

Hercules Chain Wrench.

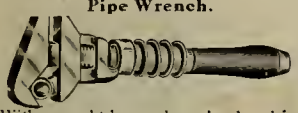


Has a double set of jaws with teeth slanted so as to allow it to take an immediate hold on pipe, and also force jaws against handle instead of spreading them. All parts interchangeable. Made of wrought steel.

42H1681¼

Size	1	2	3
Length, inches	20	27	45
Will hold pipe, in.	⅛ to 1¼	¼ to 3	¾ to 6
Shpg.wt.,abt.lbs.	5	14	24
Price	**$2.70**	**$3.90**	**$6.90**

Genuine Bemis & Call's Nut and Pipe Wrench.



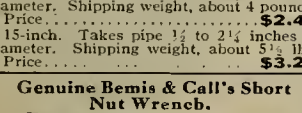
With wrought bar and casehardened jaws and adjusting nut. Furnished with **long adjusting nut.**

42H1152—10-inch. Takes pipe ⅛ to 1 inch in diameter. Shipping weight, about 2¾ pounds. Price..... **$2.05**

12-inch. Takes pipe ⅛ to 1¼ inches in diameter. Shipping weight, about 4 pounds. Price..... **$2.45**

15-inch. Takes pipe ⅛ to 2¼ inches in diameter. Shipping weight, about 5½ lbs. Price..... **$3.25**

Genuine Bemis & Call's Short Nut Wrench.



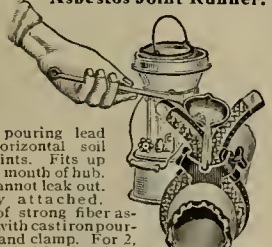
42H1154—**Same as 42H1152 above, except furnished with short adjusting nut for opening and closing jaws** instead of long adjusting nut.

Length, 10 inches. Shipping weight, about 2½ pounds. Price..... **$1.90**

Length, 12 inches. Shipping weight, about 3¼ pounds. Price..... **$2.30**

Length, 15 inches. Shipping weight, about 5 pounds. Price..... **$3.00**

Asbestos Joint Runner.



For pouring lead into horizontal soil pipe joints. Fits up close to mouth of hub. Lead cannot leak out. Easily attached. Made of strong fiber asbestos with cast iron pouring lip and clamp. For 2, 4, 5 and 6-inch pipe. Shipping weight, 2 lbs.

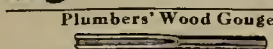
42H484—Price..... **$2.10**

Gem Bibb Seat Dresser.

For grinding seats of ¾, 1, ¾ and 1 inch compression bibbs. Rose pattern cutters. Bell is threaded for screwing in or over bibb. Shipping weight, 1 pound.

42H466—Price... **$1.70**

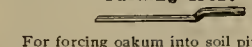
Plumbers' Wood Gouge.



Tool steel. For cutting holes for pipes. Length, 9½ inches. Width, inside of blade, ½ inch. Shipping weight, about 1 pound.

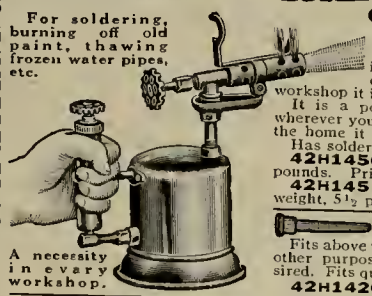
42H500—Price..... **33c**

Yarning Iron.



For forcing oakum into soil pipe joint before calking. Shipping weight, about 1½ pounds.

42H488—Price..... **27c**



For soldering, burning off old paint, thawing frozen water pipes, etc.

A necessity in every workshop.

Gasoline Blue Blast Blow Torch.

Saves Plumbers' Bills.

For soldering, burning off old paint, thawing frozen water pipes, tempering tools, vulcanizing automobile tires, etc. In the garage workshop it is a necessity.

It is a portable blast furnace, giving intense heat wherever you need it. For plumbing repair jobs around the home it pays for itself the first time used.

Has soldering copper attachment. High quality brass.

42H1450—Capacity, 1 pint. Shipping weight, 4½ pounds. Price..... **$3.65**

42H1451—Capacity, about 1 quart. Shipping weight, 5½ pounds. Price..... **$4.20**

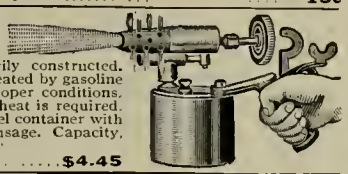
Brass Spray Nozzle.

Fits above torch for exterminating bugs, etc., or for any other purpose for which a fine stream of gasoline is desired. Fits quart size only. Shipping weight, 8 ounces.

42H1420—Price..... **15c**

Gasoline Brazing Torch.

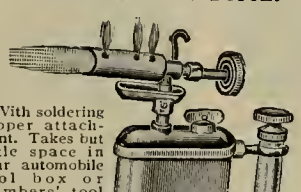
Gives Intense Heat.



With soldering copper attachment. Heavily constructed. Neat, compact design. No pump. Pressure created by gasoline vaporizing. Gives 1,800 degrees heat under proper conditions. Suitable for all purposes for which an intense heat is required. Can be held in any position. Copper plated steel container with oxyacetylene welded joints; adapted for rough usage. Capacity, ⅝ pint. Shipping weight, about 4½ pounds.

42H1452—Price..... **$4.45**

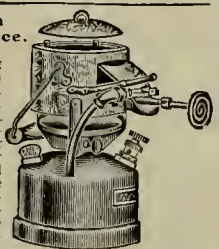
Gasoline Flat Blow Torch.



With soldering copper attachment. Takes but little space in your automobile tool box or plumbers' tool kit. Made flat, for use in narrow or close places. Made of brass, with steel conductor tube and needle valve. Has double check pump and bracket to prevent tipping. Size, about 7x9x2 inches. Capacity, 1 pint. Shipping weight, about 6 pounds.

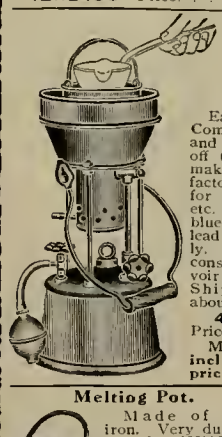
42H1453—Price..... **$6.65**

Combination Gasoline Furnace.



Heats soldering irons and melts lead or solder at the same time. Compact. Reliable. Has new type burner, designed for outdoor or indoor use, with swivel joint so it can be turned to horizontal or vertical position. Hood can be removed by loosening one thumbscrew and tank with burner used separately. Reservoir holds 2½ quarts of gasoline and is made of pressed steel with welded seam and connection. Fitted with copper filler plug and improved brass pump with needle stop valve. Hood has cover, soldering iron rest and wind shield. Height, 12 inches; diameter, 8¾ inches. Shipping weight, about 11 pounds.

42H1722¼—Price..... **$8.95**



Plumbers' Gasoline Blast Furnace.

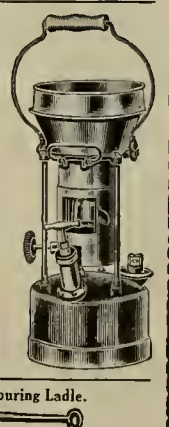
Easy to generate. Compact, well made and reliable. Lift off top and furnace makes a very satisfactory camp stove for cooking, frying, etc. Produces a hot blue flame. Melts lead or solder quickly. Heavy, durable construction. Reservoir is galvanized. Shipping weight, about 12 pounds.

42H1720¼

Price..... **$4.60**

Melting Pot not included in above price.

Kerosene Blast Furnace.



A practical kerosene burning plumbers' blast furnace. Has a patented "Snail" burner which gives a blue clear flame without smoke or odor. Burner is of simple construction and easily cleaned. Reservoir made of seamless drawn steel and all joints are welded. Gives just as intense heat as a gasoline furnace and just as satisfactory results in every way and is much cheaper to operate. Shipping wt., about 12 pounds.

42H1721¼

Price..... **$12.25**

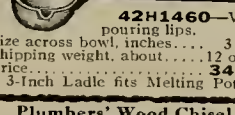
Melting Pot.

Made of cast iron. Very durable. To fit 42H1720¼, 42H1721¼, 42H1722¼ Furnaces. Shipping weight, about 4 lbs.

42H528

Price..... **42c**

Plumbers' Melting or Pouring Ladle.

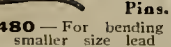


42H1460—Wrought iron, with two pouring lips.

Size across bowl, inches	3	4	5
Shipping weight, about	12 oz.	1 lb.	1¼ lbs.
Price	**34c**	**45c**	**69c**

3-Inch Ladle fits Melting Pot 42H528.

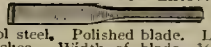
Bending Pins.



42H480—For bending and flanging smaller size lead pipe. Shipping wt., 1½ lbs. Price.. **23c**

42H482—Same as above. One end straight. Price..... **24c**

Plumbers' Wood Chisel.



Tool steel. Polished blade. Length, 10 inches. Width of blade, ¾ inch. Shipping weight, 1 pound.

42H498—Price..... **28c**

For other Chisels see page 863.

Genuine Trimo Pipe Wrench.

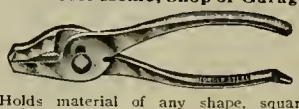
A very satisfactory, widely used pipe wrench. Used by best tradesmen. The special feature of this wrench is its strength and durability. Grips the pipe but does not crush it, readily releasing its hold. Made of steel with hardened jaws. Movable jaw and nut are made with round top and bottom thread. Guaranteed not to strip or burr. Parts can be renewed at a small expense.

Prices on repairs for Trimo Wrenches quoted on request.

42H1146

Length, Open	Takes Pipe, In.	Shpg.Wt., Abt., Lbs.	Price
6 in.	⅛ to ½	½	**$0.84**
8 in.	⅛ to ¾	1	**.95**
10 in.	⅛ to 1	2½	**1.05**
14 in.	¼ to 1½	3½	**1.50**
18 in.	¼ to 2	6	**2.10**
24 in.	¼ to 2½	10	**3.05**
36 in.	½ to 3½	15	**5.70**
48 in.	1 to 5	60	**8.40**

The Tool for Home, Shop or Garage.



Holds material of any shape, square, round or oval. Length, 7 inches. Drop forged steel. Shipping weight, 1 pound.

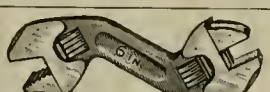
42H1140—Price..... **96c**

Handy Adjustable Wrenches.

For gripping pipe, bolts rods, etc. Well made with jaws and nut of steel.

42H1142

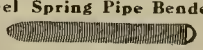
Length	Takes Pipe, In.	Shpg. Wt., Abt., Lbs.	Price
6 in.	⅛ to ⅜	½	**$0.63**
8 in.	⅛ to ¾	1	**.79**
10 in.	⅛ to 1	2	**.95**
12 in.	⅛ to 1½	3½	**1.42**



Same as above, except has jaws at both ends. One for bolts or pipe, the other for squares or hexagons. Takes pipe ⅛ to ½ inch. Shipping weight, about 8 ounces.

42H1144—Price..... **95c**

Steel Spring Pipe Bender.

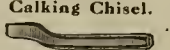


Placed inside lead pipe when bending to prevent kinks.

42H468—Size, 1¼ inches. Shipping wt., 3¼ pounds. Price..... **40c**

42H470—Size, 1½ inches. Shipping wt., 3½ pounds. Price..... **48c**

Calking Chisel.



42H490—Straight Calking Chisel. Shipping weight, 1 pound. Price..... **21c**

42H492—Right Hand Offset Calking Chisel... **22c**

42H494—Left Hand Offset Calking Chisel... **23c**

Spray Your Crops

42H1414¼—High Power Spray Gun only. Illustrated at left. For full description see opposite page. Shpg. wt., 3½ lbs....**$6.95**

Hercules Power Sprayer.

Supplies two nozzles at a constant pressure of 125 pounds. A big labor saver for spraying orchards, truck gardens, etc., and whitewashing or cold water painting. Easily made portable by mounting on wagon or truck, as illustrated. Two men working with this outfit with two leads of hose can cover a large area in a surprisingly short time. Pump is heavy and well built. Has 2¼-inch seamless brass body cylinder, with brass ball valves and large cast iron air chamber; 4½-inch stroke, 11¾-inch drive pulley, and is back geared 4 to 1. Automatic agitator keeps solution thoroughly mixed.

The engine is our Economy Gasoline Engine with magneto; size, 1½ horse-power, as described in our big General Catalog.

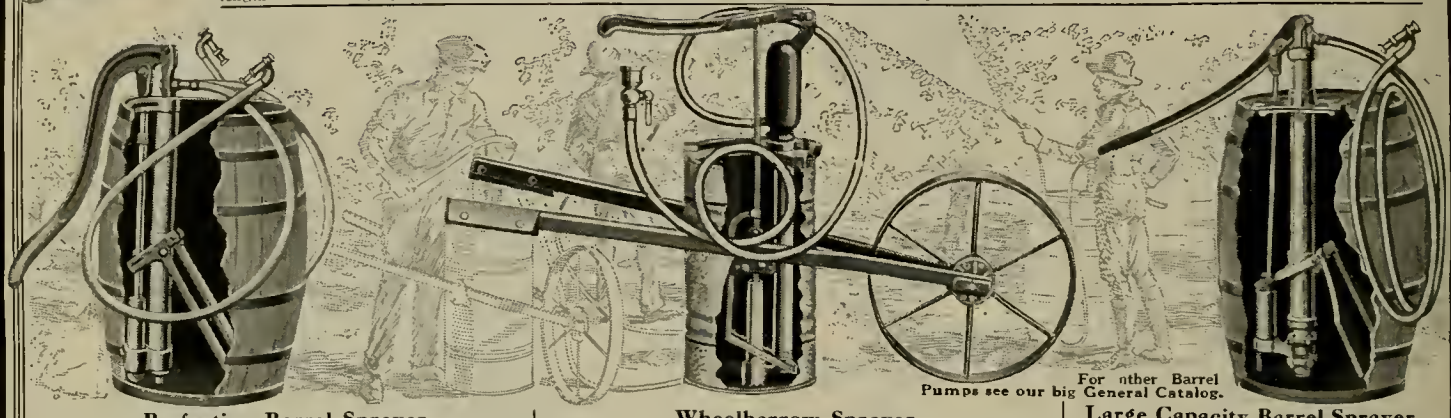
Accessories include pressure gauge, relief or overflow valve, one 20-foot length of ½-inch spray hose with 3 feet of spray pipe, shut off cock and nozzle, 6 feet of suction hose with strainer, 5 feet of overflow hose to lead from relief valve back to tank and 10 feet of 2½-inch rubber belting. Outfit furnished for one lead of hose only. Connections are for standard ¾-inch hose coupling which fits either ½ or ¾-inch hose. If two leads of hose are wanted, order ¾-inch brass twin hose connection 42H667 listed on opposite page, also extra hose and nozzle. See bottom of opposite page. **Spray gun shown in illustration not included in price.**

Shipping—Engine shipped from factory. Shipping weight, 280 pounds. Pump and accessories, shipped from our store. Shipping weight, 175 lbs.

42H2104⅓—Hercules Power Sprayer, without engine. Price **$47.95**

42H2105⅓—Hercules Power Sprayer, complete with engine. Price **94.45**

Above prices do not include barrel.



For other Barrel Pumps see our big General Catalog.

Perfection Barrel Sprayer.

Can also be used for whitewashing, etc. All parts, excepting handle of pump, are inside barrel or tank. Nothing to catch on low hanging branches. Develops 125 pounds pressure. Brass suction cylinder, valves and valve seats. Packing or parts not affected by strong solutions. Two-paddle agitator keeps solution thoroughly stirred up. Easily attached to any barrel. Prices do not include hose, shut offs, nozzles or barrel. Shipping weight, about 60 pounds.

42H2130¾—Perfection Barrel Sprayer, with paddle agitator. Fitted for one lead of hose. No hose included. Price **$8.00**

42H2131¼—Perfection Barrel Sprayer. Fitted for two leads of hose. No hose included. Price **$8.60**

Wheelbarrow Sprayer.

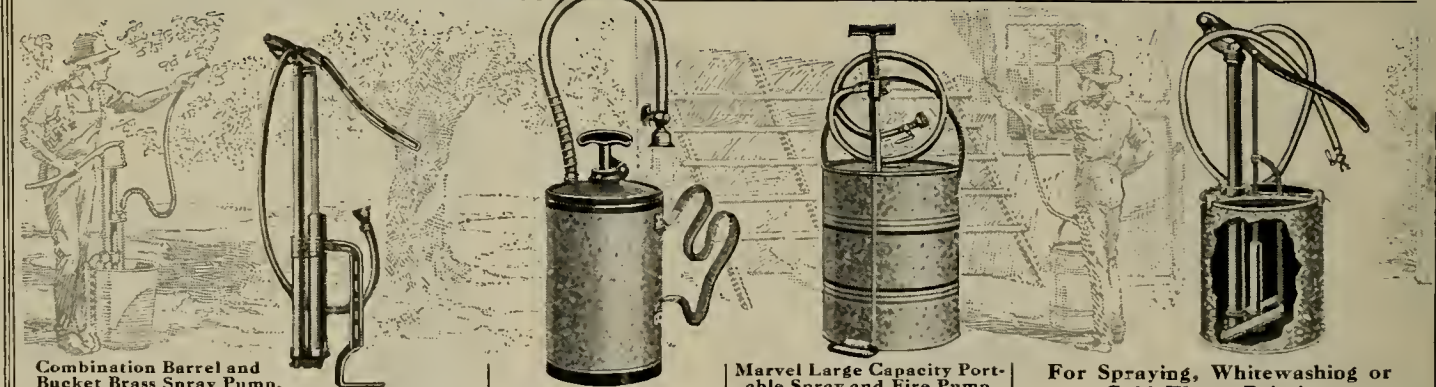
For spraying, whitewashing, cold water painting, carting liquids, etc. Sprays better, quicker and easier than a small hand sprayer, as it has much larger pumping and carrying capacity. A big labor and time saver for whitewashing or cold water painting chicken houses, hog pens, cattle barns, horse stables, etc. Pump can be removed and tank and barrow used for carting feed, grain, slops, etc. Open top galvanized iron tank holds 10 gallons. Produces a pressure of 100 pounds, sufficient to break up solution into a fine mist or fog. Agitator paddles on each side of strainer keep solution thoroughly mixed. Shpg. wt., 70 lbs.

42H1726¼—Hercules Barrow Sprayer, complete with 8 feet ½-inch spray hose, shut off cock and spraying nozzle. Price **$17.85**

Large Capacity Barrel Sprayer.

Easily operated. Brass ball valves and valve seat. Brass cylinder, 2¼ inches in diameter. Paddle agitator. For spraying orchards, vineyards, whitewashing and cold water painting. Slow pumping produces heavy, large, powerful mist spray. Adjustable for long or short stroke. Has filler hole with iron cap for filling barrel, brass Vermorel nozzle, twin connection for two leads of ½-inch hose and 15 feet of hose. Barrel not included. Shipping weight, about 95 pounds.

42H2108¼—Barrel Spray Pump. Price **$15.95**



Combination Barrel and Bucket Brass Spray Pump.

May be used with either bucket or barrel for sprinkling, whitewashing, cold water painting, washing automobiles, windows, etc., and all spraying purposes. Made of brass with brass valves. Produces continuous unbroken spray with slow pumping. Large air chamber permits operator to throw large powerful spray. Easily operated. Malleable stirrup quickly detachable so pump may be used in barrel by bolting to staves through casting furnished for this purpose, making good barrel pump outfit. Equipped with 3 feet of ⅜-inch hose and two brass nozzles for fine or coarse spray. For high spraying or painting order extra hose or extension listed on opposite page. Agitator in brass base casting keeps liquids thoroughly stirred. Height over all, 31 inches. Shipping weight, about 11 pounds.

42H1728¼—Combination Barrel and Bucket Brass Spray Pump. Price **$4.55**

Sprayrite Compressed Air Sprayer.

Convenient size for hanging over your shoulder and spraying the garden, shrubs, bushes and small trees. Galvanized iron tank holds 2 gallons. Brass pump cylinder. Handle locks for carrying. Has 2 feet of ⅜-inch hose and brass spray nozzle. Height over all, 15 inches. Shipping weight, 7 pounds.

42H1730¼ — Sprayrite Compressed Air Sprayer. Price **$3.95**

Marvel Large Capacity Portable Spray and Fire Pump.

Pump is double acting. Throws continuous stream or spray. When not used for spraying, keep this spray pump in your house, barn or garage for use in case of fire. Pump and all valves and fittings that come in contact with solution are brass. Two nozzles furnished, one for spraying, other for fire, or washing windows, automobiles, etc. Fire nozzle throws strong stream 25 to 30 feet. Galvanized steel tank and 3 feet of ⅜-inch hose. Capacity, 6¼ gallons. Height over all, 27 inches. Shipping wt., 22 pounds. Not mailable.

42H1732¼—Marvel Portable Spray and Fire Pump. Price **$5.50**

For Spraying, Whitewashing or Cold Water Painting.

Furnished complete with 6¼-gallon open top reservoir. A strong pressure can be developed with this outfit. It is well adapted for spraying heavy solutions or liquids, such as whitewash, cold water paint, etc. Pump cylinder is brass with iron handle. Agitator keeps solution thoroughly mixed. Pump fitted with 8 feet of three-ply ⅜-inch hose, stop cock and latest pattern large misty spray nozzle. Nozzle has heavy brass strainer and can be easily taken apart for cleaning. Sprayer, filled, is easily carried. Height over all, 33 inches. Shipping weight, 40 pounds. Not mailable.

42H1734¼—Handy Improved Sprayer. Price **$12.60**

42H1736¼—Same as above, except that reservoir is made of brass, instead of galvanized iron. Price **$14.85**

for Greater Profits

Handy Bucket Spray Pump.

Bucket sprayer illustrated above has brass body and brass ball valves. Pressure on the handle is entirely on down stroke, making it easy to operate. Spray nozzle can be detached and a solid stream nozzle attached for sprinkling. Shipping wt., 7 pounds.

42H1742¼—Handy Bucket Sprayer, with foot rest, 3 feet ⅜-inch hose and nozzle, as shown above. Price **$3.45**

Bucket not included in above price.

For Spraying and Whitewashing.

Bucket Sprayer, Whitewasher, etc. Discharges solution from nozzle in a steady, even spray. Brass, with iron handle and foot rest. Furnished with 3 feet of ⅜-inch hose and two nozzles, one for spraying, the other a straight stream nozzle for sprinkling. Shipping weight, 6 pounds.

42H1744¼—Bucket Whitewash Sprayer. Price **$2.65**

Bucket not included in above price.

For Spraying, Washing Automobiles, Whitewashing, Etc.

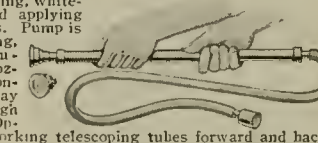
Galvanized iron, with brass screw cap at bottom and brass capped wooden plug at top of cylinder for cleaning. For spraying, whitewashing, cold water painting, washing windows, automobiles, etc. Ball check valves in the intake and discharge chambers. Includes 3 feet of ⅜-inch hose, 1 foot brass extension pipe and nozzle for both a coarse and fine spray. Shipping weight, about 3½ pounds.

42H1746¼—Bucket Whitewash Sprayer. Price **$1.95**

Bucket not included in above price.

Bucket Spray Pumps illustrated above serve many useful purposes. May be used for spraying vegetables, bushes or small trees, whitewashing, cold water painting, sprinkling, washing windows, automobiles, etc. Hose furnished is ¾-inch size and sufficiently long for spraying to height of about 6 feet. To reach higher points order extra ¾-inch hose or extension pipes, quoted on this page.

Double Acting Tubular Spray Pump.



For spraying, whitewashing and applying disinfectants. Pump is double acting, forcing solution from nozzle in a continuous spray under high pressure. Operates by working telescoping tubes forward and backward with hands. Suction end of hose is placed in bucket of water. Can be operated in standing position without stooping over. Sprayer made of brass with wood handle and ½-in. rubber suction hose, with piece of pipe and strainer on end. Shipping wt., 11 lbs.

42H1032—Double Acting Tubular Spray Pump. Price **$3.45**

Gem Crank Duster.

For dusting plants with Paris green, arsenate of lead and other chemicals in powder form. Fan driven by gears, not a belt. This duster will cover two rows at a time as fast as operator can walk and is adjustable for rows of different widths, and for dusting small trees and bushes. Furnished with three tubes, two nozzles, one Y connection, two elbows and carrying strap with snaps. Complete instructions included. Shipping weight, 10 pounds.

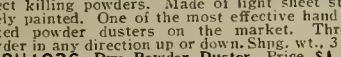
42H1740¼—Gem Crank Duster ... **$8.40**

Dry Powder Duster.

Will dust Paris green, hellebore, dry arsenate of lead and other insect killing powders. Made of light sheet steel, nicely painted. One of the most effective hand operated powder dusters on the market. Throws powder in any direction up or down. Shpg. wt., 3 lbs.

42H1036—Dry Powder Duster. Price **$1.45**

Spray Hose for High or Medium Pressure.



Half-inch hose furnished with standard ¾-inch hose connections; ⅜-inch hose furnished with standard ¼-inch connections. Be sure to order correct size hose to fit your sprayer.

42H950¼—Perfection Double Braid Smooth Spray Hose for 150 pounds pressure. Comes only in lengths specified below with coupling connection at each end. Shipping wt., per foot, abt. 8 oz.

Length, feet	5	10	25	50
Price, ⅜-inch	**$0.98**	**$1.50**	**$2.95**	**$5.40**
Price, ½-inch	**1.05**	**1.60**	**3.30**	**6.10**

42H952¼—Hercules ½-Inch Double Braid Corrugated Spray Hose for 300 pounds pressure, special seamless braided, high quality and expert manufacture. Comes only in lengths specified below with a coupling connection at each end. Shipping weight, per foot, about 8 ounces.

Length, 10 feet. **$2.00** | Length, 25 feet.. **$4.20**
Length, 15 feet **2.70** | Length, 50 feet **7.85**

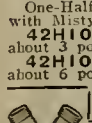
Hose Extensions for Barrel Sprayers.

One-Half Inch Five-Ply Spray Hose, complete with Misty Nozzle and Shut Off Cock.

42H1012¼—5 feet long. Shipping weight, about 3 pounds. Price **$2.05**

42H1014¼—10 feet long. Shipping weight, about 6 pounds. Price **$2.60**

42H1016¼—25 feet long. Shipping weight, about 13 pounds. Price **$4.30**



42H667—Brass Y Twin Hose Connection for ½ or ¾-inch hose. Used to make two hose connections to one outlet. Shpg. wt., 6 oz. Price **60c**

Automatic Compressed Air Sprayer

For Insecticides and Spraying Materials see our big General Catalog.

Gives Continuous Spray.

Automatic Cock.

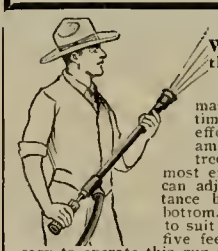
For spraying trees, plants, animals, stables and chicken houses with insect killing chemicals. Also used for washing windows, automobiles, buggies, etc., but not for whitewashing. One of the most popular and satisfactory little spraying outfits ever placed on the market. A few minutes' pumping charges the tank, and it will then automatically spray, without further pumping, until pressure in tank gets low again. Two gallons of liquid can be pumped with three charges of air. Total capacity, 3 gallons. Tank tested to 60 pounds pressure. Pump cylinder is of brass tubing with rubber valve, brass valve spring, leather plunger and steel rod. Sprayer fitted with heavy web shoulder strap and length of ½-inch spray hose, about 2 feet long. By attaching a number of the extension pipes, listed below, tall trees can be reached. Spray calendar, telling how and when to spray, sent with each sprayer. Shipping weight, 10 pounds.

42H1760¼—Galvanized Sprayer with automatic cock. Price **$4.75**

42H1761¼—Brass Sprayer with automatic cock **7.50**

42H1417—Brass Extension Pipe. Length, about 2 feet. Shipping weight, 8 ounces. Price, each **40c**

High Power Spray Gun.



With This Device You Can Stand on the Ground and Spray Tall Trees.

For fast work and thorough spraying this spray gun is unexcelled. One man can do the work of three using old time methods and there is not half the effort. A positive necessity where a large amount of spraying is to be done and tall trees to be reached. It sprays the liquid most effectively and with least waste, as you can adjust the spray exactly to suit the distance by simply turning the handle at the bottom. Adjustment can be changed instantly to suit any distance within a range of twenty-five feet. Owing to the high pressure necessary to operate this gun we recommend it only for use with our power sprayers quoted at the top of the opposite page.

42H1414¼—High Power Spray Gun. Shpg. wt., 3½ lbs. **$6.95**

Bamboo Extension Poles.

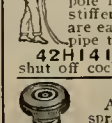
For Spraying Tall Trees.

9 Ft. Long.

Connections are made to a seamless brass tube which extends clear through center of pole from end to end. Bamboo makes a light, substantial stiffening or reinforcement for the tube, so that tall trees are easily reached. Has shut off cock at lower end; ¼-inch pipe threads. Made 9 feet long only. Shipping wt., 5 lbs.

42H1416¼—Bamboo Extension Pole. 9-foot length with shut off cock. Price **$2.95**

Misty Spray Nozzle.



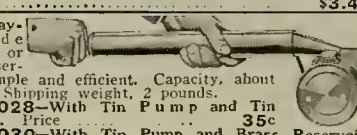
A standard nozzle for hand and power sprayers. Has fine and coarse spray discs for ¼-inch pipe. Shipping weight, 8 ounces.

42H956—Misty Straight Nozzle. Illustrated at left ... **36c**

42H958—Misty Angular Nozzle. Illustrated at right. **38c**

For other Hose Nozzles see our big General Catalog.

Ideal Sprayer.

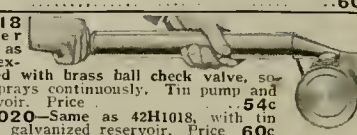


Made with tin or brass reservoir. Simple and efficient. Capacity, about 1 quart. Shipping weight, 2 pounds.

42H1028—With Tin Pump and Tin Reservoir. Price **35c**

42H1030—With Tin Pump and Brass Reservoir. Price **60c**

42H1018 Sprayer same as above except fitted with brass ball check valve, so that it sprays continuously. Tin pump and tin reservoir. Price 54c



42H1020—Same as 42H1018, with tin pump and galvanized reservoir. Price **60c**

Little Wonder Sprayer.

Has brass ball check valve. Throws a continuous spray. Will spray up or down in any position. A very practical and serviceable sprayer.

42H1022—Little Wonder Sprayer, with tin pump and 2-quart galvanized iron reservoir. Shipping weight, 1½ lbs. Price **84c**

Glass Reservoir Sprayer.

Has Detachable Glass Reservoir.

Plunger has metal expander, keeping leather washer expanded at all times. Capacity, 1 quart. Shipping weight, 3½ pounds.

42H1024—Glass Reservoir Sprayer. Price **47c**

Brass Strainer.

For straining solutions while being poured into sprayer Size, abt. 4¼x5½ inches. Shipping wt., 8 ounces.

42H1034 Brass Strainer. Price **79c**

Bordeaux Nozzle.

Produces a fan shape spray. For spraying, whitewashing and cold water painting. Brass throughout with regulating screws. Threaded for ¼-inch pipe. Shipping weight, 7 ounces.

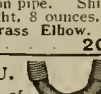
42H960—Bordeaux Nozzle. Price **54c**

Brass Elbow.

For spraying from beneath. Threaded for ¼-inch iron pipe. Shipping weight, 8 ounces.

42H968—Brass Elbow. Price **20c**

Cast Brass U.



Used at end of extension poles to attach two nozzles instead of one. Threaded for ¼-in. pipe. Shpg. wt., abt. 5 oz.

42H966—Cast Brass U. Price **39c**

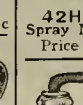
Spray Nozzle.

With Cleanout Screw.

Brass with chilled steel disc. Threaded for ¼-in. pipe. Shipping wt., about 8 oz.

42H962 — Hercules Spray Nozzle. Price **78c**

Brass Shut Off.



Cast Brass Ground Key Shut Off. Threaded. Male and female for ¼-inch pipe. Shipping weight, about 12 oz.

42H970—Brass Shut Off. Price.... **63c**

Vermorel Nozzle.

One-Point Vermorel Nozzle Automatic, threaded for ¼-inch pipe. Has two discs, one for coarse and one for fine spray. Shipping weight, about 4 ounces.

42H964 —Vermorel Nozzle. Price **65c**

Let Us Send You an Estimate on a Modern Warm Air Heating System for Your Home

For real practical heating results, durability, efficiency of design, workmanship, finish and material, our Warm Air Furnaces are equal to the best on the market. We can furnish you a complete Modern Warm Air Heating System, including all necessary registers, warm air pipes, tin wall stacks, etc., at a very moderate price. All of this material is fully illustrated and described in our Special Heating Catalog 498GC, which we will gladly send you on request.

Any handy man can easily install the complete outfit by following our simple instructions. Let us send you one of our Special Heating Information Blanks. Fill it out and return it to us for our estimate. This places you under no obligation.

Volcano Warm Air Pipe Furnace.

Burns hard coal, soft coal, wood or coke. Casing is galvanized sheet steel. Circular cast iron radiator. Fire pot is made in two sections, heavily corrugated and with deep cup joints. Upper casing has asbestos felt lining and bright tin reflector. Deep ash pit and four triangular revolving grate bars.

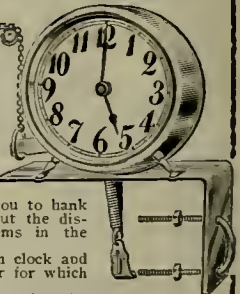
Prices, complete with casing, shaker handle, poker, check draft, chains, pulleys, regulator plate and cement, but with no pipes of any kind or collars or other fittings. **Shipped direct from factory in OHIO.**

Catalog No.	Diam. Fire Pot, In.	Heating Capacity, Cubic Feet	Size Feed Door, Inches	Size Smoke Pipe, In.	Height, With Casing, Inches	Diameter Casing, Inches	Shpg. Wt., Abt., Lbs.	Cash Price
42H3940⅓	20	12,000	9 x11¾	8	56	34	775	$ 67.55
42H3941⅓	22	16,000	9 x11¾	8	59	38	910	83.15
42H3942⅓	24	23,000	9⅜x12⅝	8	62	42	1,115	97.20
42H3943⅓	26	32,000	9⅜x12⅝	9	65	46	1,330	116.40
42H3944⅓	28	45,000	10¼x12¾	9	68	50	1,565	137.85
42H3945⅓	30	55,000	10¼x12¾	9	73	54	1,710	162.00

Hot water coil to fit any size furnace, $1.75 extra.
Our complete line of warm air floor and wall registers and borders, warm air furnace pipe and fittings fully illustrated and quoted in our Special Heating Catalog.

"The Little Fireman"

Damper Operator.



Opens the dampers on your heating system an hour before you get up in the morning, so that when you arise every room in your house will be warm and cozy.

It works equally well on a steam or hot water heating system, a warm air furnace or a pipeless furnace.

Saves Coal

It saves coal, because it permits you to bank the fire well during the night without the discomfort of getting up in cold rooms in the morning.

Just set it like any ordinary alarm clock and it will open the damper at any hour for which you set it.

Considering the small cost of this device, it will easily pay for itself in one month's time. Outfit includes clock, pulleys and 25 feet of chain ready to install, with full instructions. Anyone can easily attach it in a few minutes. Shipping weight, 6 pounds.

42H1772—"Little Fireman" damper operator, complete as described. Price..... $3.95

Any Handy Man Can Easily Install Our Furnaces

A Most Interesting Job for You

The Pleasure of Doing.

All of us like to do things. No greater satisfaction can come to a man than the pride he takes in something he has built or made for himself. The small boy enjoys tearing a thing to pieces to see what it is made of, and in after years one still delights in taking a piece of machinery apart to discover the "why" of it. But far greater pleasure lies in putting something together, beginning with the smallest parts, and then seeing it work perfectly.

An Honest Pride.

Now think of doing something really worth while; something you never tried before, and perhaps never thought you could do; something mighty interesting in its theory and construction; finally, something that you would always feel a pride in having done yourself, a well deserved pride. Think of saying to your friends and neighbors: "Yes, I put this furnace in practically all by myself. My brother Jack helped a little, which enabled me to get through a little sooner, but that was all. And I have learned a lot about furnaces. Mighty interesting they are, too."

Are You Handy?

It is a little work, of course. But, much more than that, it is really fun to see the furnace grow under your hands to completion, and then work perfectly when you have it finished. It is just common sense, after all, combined with a little practical knowledge, and the real pleasure comes in seeing the thing accomplished.

Save Needless Expense.

Even if you do not intend to do the work yourself you do not need an expert. We repeat that any reasonably handy man can install one of our pipeless furnaces with the directions we supply.

But do it yourself if you possibly can. Not only is it interesting and not difficult, but by doing it yourself you will save a tidy sum. You can use that money as well as the other fellow, if not better.

Pipeless Furnaces

No More Smoke, Dust or Gas in Your Living Rooms

Complete Modern Heating System at Little More Than the Cost of Old and Out of Date Heating Methods

Over Twenty Thousand of Our Pipeless Furnaces Now Installed and Giving Satisfactory Service to Our Customers in All Parts of the Country

Durable Practical Economical Maximum Efficiency.

Our Hercules Pipeless Furnace illustrated on this page embodies the most advanced improvements in pipeless furnace design. Cold air is taken from upstairs, it enters the large register at the sides, drops down, and turns up under the inner or sub-casing near the base of the furnace. It then strikes the hot surface of the furnace and is carried up through the sub-casing and is discharged through the center of the large register above.

No Heat Lost in Basement.

Just observe that this furnace provides its own heat insulation. It is entirely encased in a jacket of cold air, which is in constant circulation and which absorbs every unit of heat which might otherwise escape through the furnace casing, and it carries this heat right back to the heating chamber and up into your living rooms upstairs. That is why you get the full benefit out of every shovelful of coal you put into this furnace. There is no heat wasted. The warm air rising out of the large register above circulates to all parts of the building, delivering heat to every room.

Simplest and Most Economical of All Heating Systems.

Our Pipeless Furnaces are the simplest of all systems of heating and, by reason of their extreme simplicity, they are without any question the most economical in fuel. The heat is delivered to your rooms almost instantaneously, without passing through any long system of pipes, so there is practically no heat wasted in the basement. Your basement will always be cool enough for vegetables, and for every shovelful of coal you put into this furnace you will get big returns in actual heat units in your rooms. This is the reason our Pipeless Furnaces have become so popular.

Keeps Entire House Comfortably Warmed.

Our Pipeless Furnaces not only keep the room in which the large register is placed comfortably warmed, but experience has proved that in any ordinary residence where one of our Pipeless Furnaces is installed (if the doors between adjoining rooms are left open, or registers installed in the ceiling, so as to allow a reasonable amount of circulation between the rooms) every room will be comfortably warmed.

Size to Order.

Figure up the total cubic contents of your building and select a furnace of corresponding capacity from the table on this page. If you live in a real cold climate, or your house is unusually hard to heat; if you want to keep your house unusually warm, or if you will burn wood or soft coal, we would recommend ordering one size larger furnace. It is always better to have a furnace a little larger than is actually required. **The 18-inch fire pot furnace makes an excellent furnace for small houses, bungalows, etc., but is not recommended for houses having more than five rooms.**

If you prefer we will estimate the size furnace you require for your building. Write for one of our Special Heating Information Blanks, fill it our carefully and return it to us. Our engineers will figure the correct size furnace and we will quote a price, including all freight charges, to your station if you wish.

Prices of Hercules Pipeless Furnaces.

Prices are for furnace complete with register, casing, shaker handle, poker, check draft, chains, pulleys, damper chain plate and cement. **Shipped from factory in OHIO.**

	42H3899⅓	42H3900⅓	42H3901⅓	42H3902⅓	42H3904⅓
Diameter of fire pot, inches	18	20	22	24	26
Diameter of inside casing, in	34	38	42	46	48
Diameter of outer casing, in	42	46	50	54	58
Size of feed door, inches	11x13	11x13	11x13	11x13	11x13
Depth of fire pot, inches	11	11½	12	12½	13
Diameter of smoke pipe, inches	8	8	8	9	9
Size of register, inches	28x28	28x28	32x32	35x35	38x38
Heating capacity, cubic feet	12,000	15,000	18,000	28,000	40,000
Approx. shpg. wt., about, lbs.	860	1,055	1,252	1,550	1,695
Price, complete	**$79.75**	**$90.30**	**$108.85**	**$127.75**	**$143.00**

Smoke pipe not included at above prices. When ordering, state amount of smoke pipe needed and we will include it with your order at our net catalog price.

Prices are subject to market changes.

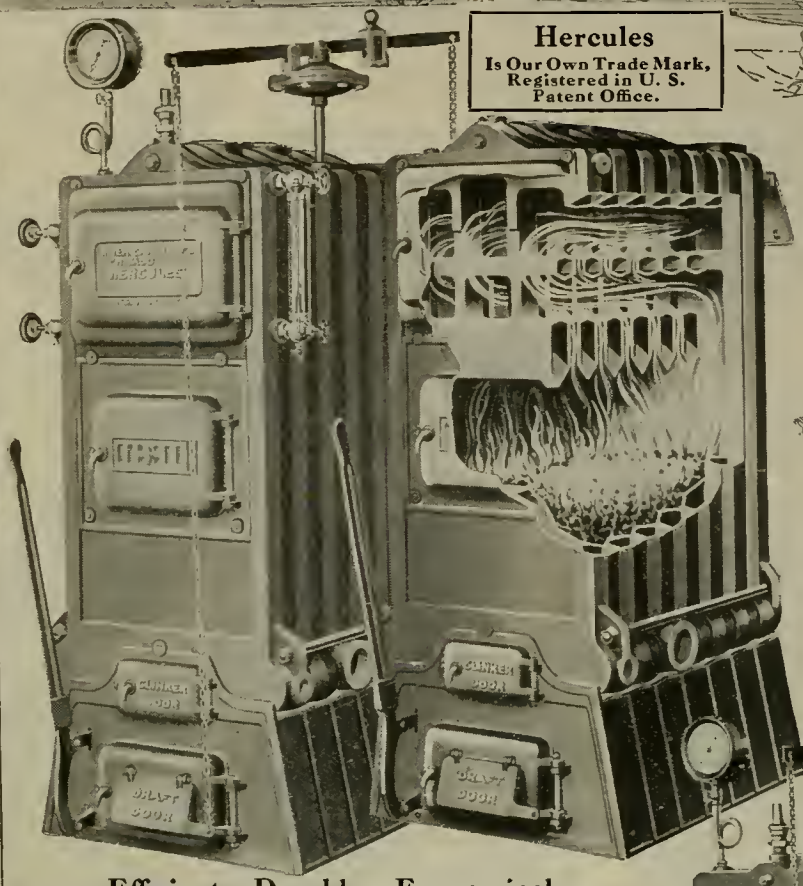
Hot Water Coil for Hercules Furnace, $1.75 extra. If wanted with Gas Burner in addition to coal grate write for prices.

Fuel Economy Unsurpassed.

Here you have a furnace which positively cannot waste heat. The cold air coming down from upstairs surrounds the entire heating chamber and carries all stray heat units right back into the heating chamber, from which they are delivered up into your rooms. We positively cannot point to a single heating device of any kind now on the market, barring none, that will deliver more actual heat units to your rooms per pound of coal consumed than our Hercules Pipeless Furnace illustrated here. The warm air rises through the center of the large register and circulates to all parts of the house. By placing combination registers in the ceiling the warm air will circulate to the bedrooms, bathroom, etc., on the second floor, and you will be able to maintain an even and comfortable warmth throughout every room in the house.

Hercules Steam and Hot Water

Hercules
Is Our Own Trade Mark, Registered in U. S. Patent Office.



Write for Our Special Heating Catalog 498MP.
It tells all about our Hercules Home Heating Systems, Steam, Hot Water and Warm Air; Also Pipeless Furnaces.

Sent Postpaid on Request.

If you haven't a Hercules Heating System in your home you are missing one of the greatest of all modern comforts. Just think of what it means to have your entire house heated to a comfortable and even temperature throughout the coldest Winter weather; no smoke, dust or gas in your living rooms; no carrying of coal and ashes over your rugs and carpets. House cleaning a real pleasure.

You can get up on the coldest Winter morning in a nice warm bedroom, have the bathroom as warm as any other room in the house, and you can use a modern oil or gas stove for cooking in the kitchen if you want to.

Only one fire to attend to, and twice a day is as often as you will need to attend to that. The best part of it all is that this great comfort and convenience is easily within your means.

Every Hercules Heating System Guaranteed.

Whether it is a small residence or a large church, apartment or office building that is to be heated, we can supply a Hercules Heating System that will give satisfactory service.

Remember, every Hercules Heating System is backed by an absolute guarantee of satisfaction. We have the facilities and the organization which assure you of satisfactory service, and you can place your order with us, feeling confident that you will obtain a heating system that will prove satisfactory in every respect.

Whether you are interested in a modern Steam, Hot Water or Warm Air Heating System or a Pipeless Furnace, you should write today for our Special Heating Catalog 498MP.

Efficient—Durable—Economical.

Illustrations on this page show clearly the very efficient construction of our Hercules Home Heating Boilers for steam and hot water heating.

These boilers burn hard coal, soft coal, wood or coke and embody the latest improvements in home heating boiler design. The V shaped construction of the sections in the fire pot presents the greatest amount of heating surface to the fire. The square fire pot design means greater heating surface in proportion to the volume of fuel.

Hercules Boilers are equipped with latest improved type of rocking grate bars. Grates are of heavy construction and the mechanical action is perfect.

Prices on steam boilers include steam trimmings complete. Prices on hot water boilers are for boilers only, without trimmings. Firing tools, including hoe, poker, rake and flue brush with handle, furnished with all boilers, both steam and hot water.

Our Hercules Home Heating Boilers are, without a doubt, among the most efficient home heating boilers on the market. **Thousands now in use on our Hercules Home Heating Systems are giving satisfactory service in all parts of the country. Shipped from factory in WESTERN NEW YORK.**

Boilers With Fire Pot 17 Inches Wide.

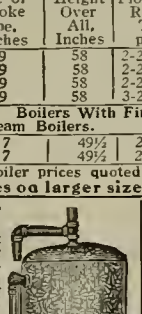
No.	Size of Fire Pot, Inches	Size of Smoke Pipe, Inches	Height Over All, Inches	Flow and Return, Tappings	Rating, Hot Water	Rating, Steam	42H3972⅓—Steam Boilers. Price, Hot Water	42H3973⅓—Hot Water Boilers. Price, Steam
174	17x14	9	58	2-2½ in.	650	400	$ 84.90	$ 98.75
175	17x17	9	58	2-2½ in.	750	475	94.25	108.15
176	17x21	9	58	2-2½ in.	925	550	108.50	122.30
177	17x25	9	58	3-2½ in.	1,100	650	127.25	141.25

Boilers With Fire Pot 13½ Inches Wide.

							42H3970⅓—Steam Boilers.	42H3971⅓—Hot Water Boilers.
134	13½x12	7	49½	2-2 in.	300	150	$46.95	$60.50
135	13½x15	7	49½	2-2 in.	400	225	58.90	72.25

All boiler prices quoted are subject to market changes.
Prices on larger size boilers quoted on request.

Galvanized Expansion Tanks.

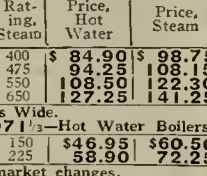


Used on hot water heating systems to provide for expansion and contraction of water. Strongly made of steel, galvanized inside and out. Prices include water gauges complete with cocks and guards, but not the inlet and outlet fittings shown. Size of inlet and overflow 1 inch.

42H1774¼

Size, Inches	Sq. Ft. of Radiation	Wt., Abt., Lbs.	Price, Including Gauge
10x20	320	31	$ 6.35
12x20	400	40	6.75
12x30	600	48	7.50
14x30	800	60	9.90
16x30	1,040	74	11.00
16x36	1,280	88	11.70

Hot Water Coil.



Made of 1½-inch pipe with return bend and reducers as shown. Fits any of our Hercules Boilers listed above. By connecting this coil to your range boiler you will have plenty of hot water for household use all winter long. Shipping weight, 10 pounds.

42H1677¼—Hot water coil $1.50

Altitude Gauge.

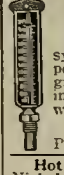
For showing height of water in hot water heating plant. Black finish 3½-inch case, contracted dial, easy to read. Size tapping, ¼ inch. Shipping weight, 4 lbs.

42H146—Price $2.20

42H148—Low Pressure Single Spring Gauge. For house heating boilers, steam cookers, etc. 3½-inch black finish case. Contracted dial, easy to read. Indicates to 30 lbs. Shpg. wt., 4 lbs.

Price $2.40

Hot Water Thermometer.

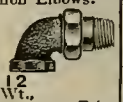


For hot water heating systems. Indicates temperature up to 260 degrees Fahrenheit. Has ½-inch pipe thread. Shipping weight, about 1½ lbs.

42H108

Price $1.15

Hot Water Union Elbows.

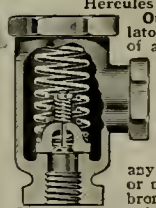


Nickel Plated Brass Union Elbows for hot water radiators.

42H112

Size	Shpg. Wt., About	Price
¾ in.	1½ lbs.	$0.54
1 in.	2 lbs.	.67
1¼ in.	2½ lbs.	.85
1½ in.	3 lbs.	1.10
2 in.	5 lbs.	1.90

Hot Water Circulator.



Our Hercules Hot Water Circulator adds greatly to the efficiency of a hot water heating plant. This special valve is furnished with every complete Hercules Hot Water Heating System. It maintains a constant pressure of 10 pounds on the water and permits you to heat the water to 235 degrees, increasing the circulation. Can be attached to any hot water heating system, old or new. Made of brass, with heavy bronze spring. It is rustproof. Size, tappings, ¾ inch. Shipping wt., about 4 lbs.

42H104—Price $5.60

Automatic Air Valve

Nickel Plated Brass Air Valve for steam. Threaded for ⅛-inch pipe connections. Shipping wt., about 4 oz.

42H118

Price 33c

Compression Air Valve With Key.

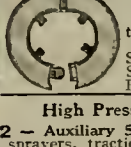
With lock and shield, solid brass, nickel plated. Shipping weight, 2 oz.

42H116

Size, ⅛ in 10c

42H117—Keys only, each 4c

Adjustable Nickel Plated Ceiling and Floor Plates.

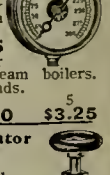


Can be placed on the pipes after they are in position.

42H120

Size, inches	¾	1	1¼	1¼	2
Shpg. wt., abt., lb.	½	½	½	½	¾
Price	7½c	8c	9c	10c	11c

High Pressure Gauges.



42H812 — Auxiliary Spring Pressure Gauge. For power sprayers, traction engines and steamboats where there is considerable jarring. 4½-inch dial. Indicates to 300 lbs. Shpg. wt., 4 lbs.

Price $4.95

42H810—Single Spring Pressure Gauge. For pressure water systems, pumps and power steam boilers. Indicates to 200 pounds. Shipping weight, 4 pounds.

Dial, inches	3½	4½	5
Price	$2.40	$2.70	$3.25

Hot Water Radiator Valves.

Solid brass, nickel with union; one-half turn opens valve to full capacity.

42H110

Size	Shpg. Wt., About	Price
¾ in.	2 lbs.	$0.76
1 in.	2½ lbs.	.97
1¼ in.	3½ lbs.	1.35
1½ in.	4 lbs.	1.90
2 in.	6 lbs.	2.90

Steam Radiator Valves.

Nickel plated brass with ground joint union and Jenkins disc.

42H114

Size	Shpg. Wt., About	Price
¾ in.	1½ lbs.	$1.05
1 in.	2½ lbs.	1.30
1¼ in.	3½ lbs.	1.70
1½ in.	5 lbs.	2.15
2 in.	8 lbs.	3.50

Heating Systems for Home Comfort

Install Your Own Heating System and Save Money.

The great majority of our customers install their own heating systems. It is not nearly as difficult as most people imagine. It is really surprising how simple and easy the work becomes after the job is started. "Irresistibly interesting" is the way one customer put it when telling us about his experience in installing his own heating system. It amounts to nothing more than a little substantial exercise, and after the job is finished you will feel the better for it. One man and a boy can easily install any of our Hercules Heating Systems. The big saving you can make well warrants your looking after the work yourself.

Experience Not Necessary.

If you do not care to do the work, you should not have much difficulty in locating some handy man in your locality who is willing to do the work for you at a reasonable working wage.

It does not require an experienced plumber or steamfitter by any means. Any man who can cut and thread ordinary iron pipe and who has a little mechanical ability can easily do this work by following our simple plans and instructions.

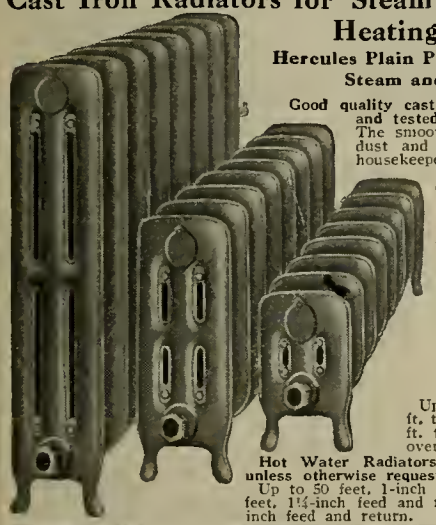
We cut and thread all the larger size pipes for you so that all you have to do is follow the plans and screw them together.

WRITE FOR OUR ESTIMATE.

You will find a special Heating Information Blank in our Special Heating Catalog 498MP, which we will gladly send you on request. This blank indicates clearly just what information we need in order to prepare an accurate estimate on a heating system for your building. Fill out this blank carefully and return it to us. Our engineers will prepare a special estimate for you on a modern Hercules Steam or Hot Water Heating System that we will guarantee to give you satisfaction.

Hercules Heating Systems are easily installed in any farm or city building, whether old or new.

Cast Iron Radiators for Steam or Hot Water Heating Systems.



Hercules Plain Pattern Radiators for Steam and Hot Water.

Good quality cast iron, properly machined and tested. Graceful, plain design. The smooth surfaces do not collect dust and dirt, and appeal to the housekeeper.

Only three and five-column radiators are listed below. For other styles see our Modern Heating Systems Catalog No. 498MP, which we will gladly send postpaid on request. When ordering state number of sections and height wanted. Unless otherwise specified radiators will be tapped as below. Pipe and fittings will be found on page 20.

Steam Radiators are tapped as follows, unless otherwise requested:

Up to 24 ft., 1-in. supply; 24 ft. to 50 ft., 1¼-in. supply; 50 ft. to 100 ft., 1½-in. supply; over 100 feet 2-in. supply.

Hot Water Radiators are tapped as follows, unless otherwise requested:

Up to 50 feet, 1-inch feed and return; 50 to 75 feet, 1¼-inch feed and return; over 75 feet, 1½-inch feed and return.

List of Sizes, Hercules Three-Column Radiators

No. of Sections	Total Length, Inches	SQUARE FEET OF HEATING SURFACE: 38-Inch Height, 5 Sq. Ft. per Section	26-Inch Height, 3¾ Sq. Ft. per Section	22-Inch Height, 3 Sq. Ft. per Section
2	5	10	7½	6
3	7½	15	11¼	9
4	10	20	15	12
5	12½	25	18¾	15
6	15	30	22½	18
7	17½	35	26¼	21
8	20	40	30	24
9	22½	45	33¾	27
10	25	50	37½	30
42H3998⅓ Steam. Price. Per square ft.		33½c	40c	43c
42H3999⅓ Hot Water. Per square ft.		34½c	41c	44c

List of Sizes, Hercules Five-Column Radiators

No. of Sections	Total Length, Inches	SQUARE FEET OF HEATING SURFACE: 22-Inch Height, 6 Sq. Ft. per Section	18-Inch Height, 5 Sq. Ft. per Section	14-Inch Height, 4 Sq. Ft. per Section
2	6	12	10	8
3	9	18	15	12
4	12	24	20	16
5	15	30	25	20
6	18	36	30	24
7	21	42	35	28
8	24	48	40	32
9	27	54	45	36
10	30	60	50	40
42H4002⅓ Steam. Price. Per square ft.		44c	49c	53c
42H4003⅓ Hot Water. Per square ft.		44c	49c	53c

Shipped from factory in WESTERN NEW YORK. Prices subject to market changes.

Floor Registers.

Black japanned. Strong and well made. Can be opened or closed with foot.

42H176

Size, In.	Shpg. Wt.	Price
8x10	10 lbs.	$1.29
9x12	11 lbs.	1.65
12x15	13 lbs.	3.53

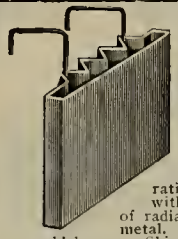
Register Borders.

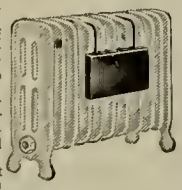
Used with Floor Register 42H176, shown at left. Black japanned.

42H182

Size, In.	Shpg. Wt.	Price
8x10	5 lbs.	$0.98
9x12	8 lbs.	1.29
12x15	12 lbs.	2.27

Hercules Air Moisteners for Health and Comfort.



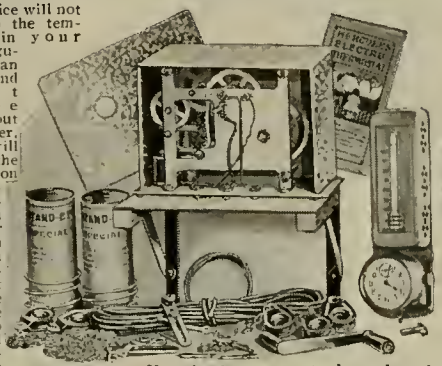


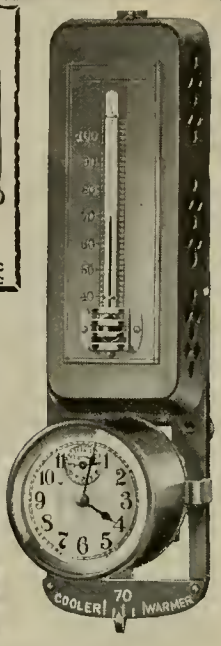
The best health authorities agree that proper moistening of the air in your home during the Winter time is necessary to health and comfort.

Our Hercules Air Moistener keeps air moistened by evaporation of water. Filled with water and hung back of radiator. Galvanized sheet metal. Finished in aluminum or gold bronze. Shipping weight, 4 pounds.

42H156—With aluminum bronze finish. Price.....88c
42H157—With gold bronze finish. Price 93c

Hercules Thermostat Heat Regulator.





The device will not only keep the temperature in your rooms regulated to an even and exact degree throughout the Winter, but it will open up the dampers on your heating system for you one hour before you arise in the morning so that the house will be heated to a normal temperature when you are ready to get up.

Saves Coal.

Hercules is our own trade mark registered in U. S. patent office.

It will maintain any temperature you want to set it for. You can set it for 60 degrees before going to bed and then set the clock so as to throw it over to 70 degrees an hour or so before you arise in the morning, and when you get up your rooms will be heated to a comfortable temperature.

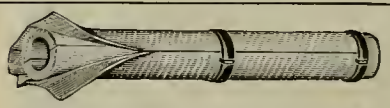
PAYS FOR ITSELF IN ONE WINTER.

With this device attached to your heating system you will make a big saving in your fuel bills. Night or day it is always on the job and it will pay for itself the first Winter used. You will need to give your heating system only about one-half the attention, as the draft doors will be regulated automatically. Furnished with or without clock attachment. We recommend device with clock attachment, as outfit without clock does not have feature of opening draft before you arise in the morning.

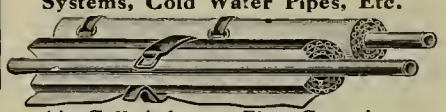
Send us your order, enclosing our price for one of these outfits, and try it. If you are not perfectly satisfied, send it back at our expense and we will cheerfully return your money.

42H1770¼—Without clock attachment. Shipping weight, 27 pounds. Price . $25.65
42H1771¼—Outfit complete, with clock attachment. Shpg. wt., 30 lbs. Price.. 30.40

Reduce Your Coal Bills by Covering the Boiler and Pipes on Your Heating System. This Covering Pays for Itself in Two or Three Seasons by the Great Saving Which It Makes in Your Fuel Bills.



Wool Felt Pipe Covering for Heating Systems, Cold Water Pipes, Etc.



Air Cell Asbestos Pipe Covering.

Air Cell and Wool Felt Pipe Covering Shipped from Factory.

We sell two kinds of pipe covering, Wool Felt and Air Cell Asbestos. Wool Felt Covering is much used for covering cold water pipes to prevent freezing and on hot water heating systems. For covering steam pipes we recommend Air Cell Asbestos Covering. Both kinds are quoted below. Sold only in 3-ft. lengths, 1 in. thick. Shipping weights given are for each 3-foot length. Sizes given indicate inside diameter of pipe which covering will fit.

42H4044⅓—Wool Felt Pipe Covering, 3-Ft. Length.

For pipe size, in.	½	¾	1	1¼	1½	2	2½	3	3½	4
Shpg. wt., abt., lbs.	1¼	2	2¼	2¾	3	3½	4	4½	5	5¼

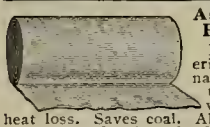
Price, 3-ft. length 37c 40c 45c 51c 56c 60c 67c 76c 84c $1.00

42H4046⅓—Air Cell Pipe Covering, 3-Ft. Length.

For pipe size, in.	½	¾	1	1¼	1½	2	2½	3	3½	4
Shpg. wt., abt., lbs.	1½	1¾	2	2¼	2½	3	3½	4	4¼	5

Price, 3-ft. length .32c 36c 40c 44c 49c 53c 59c 67c 75c 89c

Asbestos Paper.



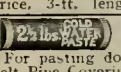
For covering furnace pipes to prevent heat loss. Saves coal. Also used to cover smoke pipes, for fireproofing woodwork, etc. In rolls 36 inches wide. About 1/32 inch thick. Shipping weight, per square yard, 1½ pounds.

42H193
Price, 10-yard roll $1.50
42H194—50-yard roll. Shipping weight, 61 lbs. Price $6.25

Asbestos Cement

For covering heating or power boilers, galvanized range boilers, smoke pipes and elbows and tees on heating systems, etc. Prevents loss of heat. Pays for itself in one or two seasons. Composed of asbestos fiber and a cement compound. Mixed and applied like ordinary plaster to a thickness of about 1½ inches. Comes in 100-pound bags. One bag covers about 11 square feet to a thickness of about 1½ inches.

42H4040⅓
Price, per bag. $1.50
Shipped from FACTORY.



Cold Water Paste.

For Applying Pipe Covering.

For pasting down canvas flaps on Air Cell and Wool Felt Pipe Covering. Used also for pasting asbestos paper to tin furnace pipes on warm air heating systems. Simply mix with cold water and use. Comes in 2½-pound packages.

42H1471⅓—Price, per package. 30c

Asbestos Furnace Cement.

Used to cement joints of warm air furnaces, heating boilers, stoves, etc. Soft and easily worked. Hardens quickly. Not affected by intense heat. Makes joints gastight.

42H192
Price, per 5-pound can.....45c

Fire Chief Shingle Roll Roofing

Makes Fire Resisting Roofs

Our Own Trade Mark, Registered in U. S. Patent Office.

"You Can Lay it Yourself"

Beautiful Dark Red and Sea Green Colors.

APPROVED BY FIRE UNDERWRITERS

LOOKS LIKE PAINTED RED OR GREEN WOOD SHINGLES, but costs less than half as much. Wears practically twice as long and does not catch fire from flying sparks. Fire-Chief Shingle Roll Roofing does not have the defects, such as curled or warped shingles, so often found in wood shingle roofs. Made of heavy roofing felt, **imported asphalt** and genuine crushed slate.

THE PATTERN is made of real red or sea green crushed slate, with black shaded lines inlaid between shingles, a treatment that is permanent and beautiful.

RESISTS FIRE. Fire-Chief Shingle Roll Roofing actually resists fire.

EXCLUDES SNOW AND WATER BETTER THAN WOOD SHINGLES. Fire-Chief Shingle Roll Roofing is air-tight and watertight.

WARMER THAN WOOD SHINGLES and helps make a house warmer in Winter. Can be used over old shingles, giving double roof protection.

GUARANTEED FOR SEVENTEEN YEARS.

IT PAYS TO BUY GOOD ROOFING because the roof of a building has to stand the hardest weather conditions.

WEARING QUALITY FULLY TESTED. The formula and process for making Fire-Chief Shingle Roll Roofing have been in use for years. It has been put to the most severe tests. Roofing laid sixteen years ago is practically as good as the day it was laid. It is an imported asphalt roofing that defies heat, cold, rain and snow.

We have made THIS THE HEAVIEST, THICKEST, STRONGEST AND MOST BEAUTIFUL of all our roofings. Each roll weighs 90 pounds.

ROLLS contain 108 square feet, 36 inches wide and 36 feet long, with 8 square feet allowed for 2-inch laps, and will cover 100 square feet. All in one piece.

CEMENT AND GALVANIZED 1-INCH NAILS INCLUDED.

48H3320—Red.
48H3321—Sea Green.

$3.85 Per Roll.
108 Sq. Feet.

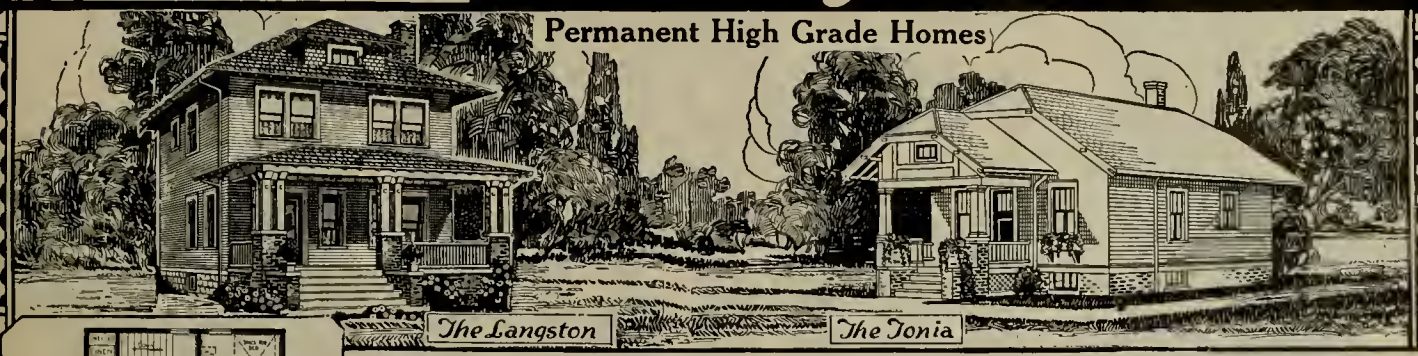
Shipped from CHICAGO, ILL., PHILADELPHIA, PENNA., ALBANY, N.Y., SOUTHERN OHIO, KANSAS CITY, MO., ATLANTA, GA., or ST. PAUL, MINN.

Be SURE to ask for long nails if this roofing is to be used over old shingles and allow 10 cents per roll extra.

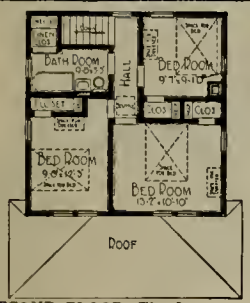
Samples Free on Request. Ask for Roofing Samples 6169MP.

Honor Bilt Already Cut Homes

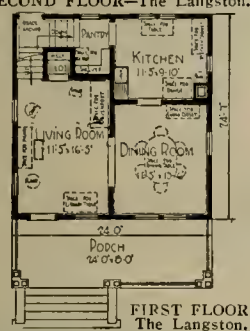
Permanent High Grade Homes



The Langston — The Ionia



SECOND FLOOR—The Langston.



FIRST FLOOR. The Langston.

The Langston. "HONOR BILT." Price, **$1,854.00** Six Rooms and Bathroom. **$28.00** PER MONTH.

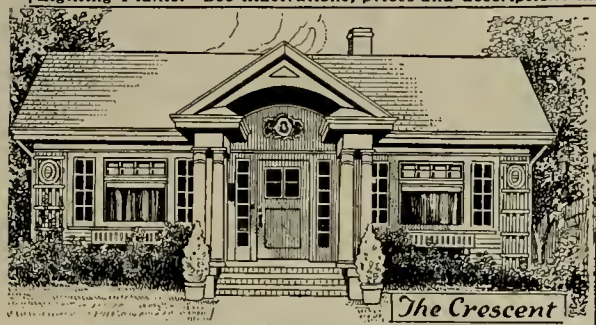
Floor plans at the left show neat and roomy arrangement of rooms in this popular two-story residence.

The Ionia. "HONOR BILT." Price, **$1,038.00** **$17.50** PER MONTH.

Space here does not permit us to describe even these few designs. In our Book of "HONOR BILT" Modern Homes, 596MP, all of our many homes are fully illustrated and described.

At prices quoted on this page we will furnish all material to build houses illustrated, consisting of Lumber, Lath, Roofing, Mill Work, such as Doors, Windows, Moldings, Flooring, Porch Material, Siding, Finishing Lumber, Building Paper, Eaves Trough, Down Spout, Sash Weights, Hardware and Painting Material. Brick, Plaster and Cement are not included.

For a small additional amount, at your option, we furnish Hot Water Heating, Steam Heating or Furnace Heating, Plumbing Outfit, Electric Wiring, Gas and Electric Fixtures, Wall Paper, Sheet Plaster and Electric Lighting Plants. See illustrations, prices and descriptions in Book of "HONOR BILT" Modern Homes.

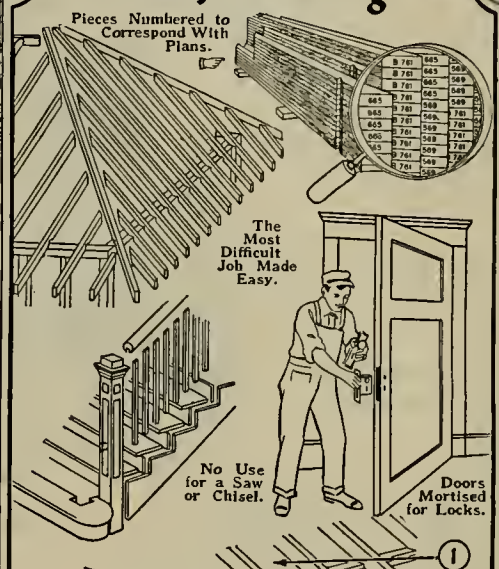


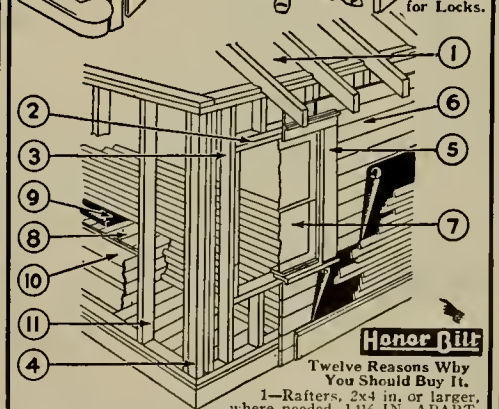
The Crescent

The Crescent. "HONOR BILT." Price, **$1,855.00** Five Rooms and Bathroom. **$28.00** PER MONTH.

An ideal bungalow of the very newest design.

Cut and Fitted Ready for Nailing


Pieces Numbered to Correspond With Plans.
The Most Difficult Job Made Easy.
No Use for a Saw or Chisel.
Doors Mortised for Locks.



Twelve Reasons Why You Should Buy It.

1—Rafters, 2x4 in, or larger, where needed, 14½ IN. APART.
2—DOUBLE PLATES over doors and windows.
3—DOUBLE STUDDINGS at sides of doors and windows.
4—THREE STUDS at corners.
5—Outside casing, 1½ INCHES THICK.
6—High grade WOOD SHEATHING.
7—All glass 24x28 inches and larger is HIGH QUALITY DOUBLE STRENGTH.
8-9—DOUBLE FLOORS WITH HEAVY BUILDING PAPER between.
10—2x8-inch joists, 14½ INCHES APART.
11—2x4-inch Studdings, 14½ INCHES APART.
12—Best Grade of Cedar Shingles or Fire-Chief Shingle Roll Roofing guaranteed for 17 years as specified.

All outside paint, 3 coats; shingle stain (when shingles used as siding), 2 brush coats.

Sold on Easy Payments

What "HONOR BILT" Means.

"HONOR BILT" homes are not portable or sectional. "HONOR BILT" houses have 2x4-inch studding, thick sheathing and clear cypress siding, making double walls. They also have double floors and 1⅛-inch cypress outside window and door casing. They are **extra** high grade, **extra** substantial and very carefully planned. Study the illustrations at the right. See how "HONOR BILT" houses are better than ordinary frame houses. Read the twelve reasons why you should buy an "HONOR BILT" Modern Home if you want a PERMANENT, SUBSTANTIAL DWELLING at the lowest possible price.

If you do NOT want a permanent house as high grade and substantial as "HONOR BILT" Modern Homes are designed to be, then you will be interested in our SIMPLEX SECTIONAL HOUSES. Simplex Sectional Houses and "HONOR BILT" Modern Homes are not at all the same. They are two separate and distinct methods of construction. This page describes high grade "HONOR BILT" Modern Homes. If interested in home for Summer resort, ask for Simplex Sectional Catalog, 456MP.

Save 40 Per Cent.

The illustrations to the right show better than words can tell exactly how the HONOR BILT SYSTEM makes it easy for you to SAVE 40 PER CENT on the cost of carpenter labor in building your new home.

An actual test completed August 2, 1921, proves our "HONOR BILT" SYSTEM SAVES 40 PER CENT IN CARPENTER LABOR. Affidavit, photographs and full details certifying to the truthfulness of this saving are shown in our book of "HONOR BILT" Modern Homes illustrated below.

In addition to the items shown at the right, we also furnish ready to nail in place all of the porch material, window and door trim, all studding, all rafters; in fact, every piece of material that we have found by experience can be cut more economically by power driven machinery in our factory than it can be cut by hand on the job.

IF INTERESTED IN "HONOR BILT" HOMES

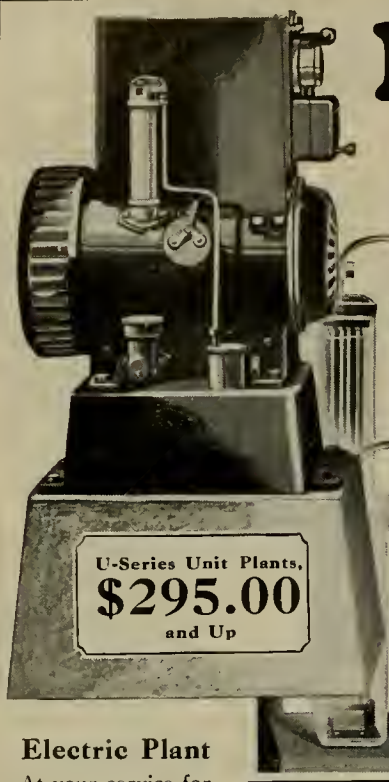
SEND POST CARD FOR THIS BOOK.

Going to build a high grade, permanent home? Ask for a copy of our Book of "HONOR BILT" Modern Homes 596MP. It shows photographs of a house built the ordinary way and one built the "HONOR BILT" way. These pictures show how the "HONOR BILT" house was completed in 231½ hours less time than the same house built in the usual way. It shows over 100 house plans suitable for every section of the country, at prices ranging from about $700.00 to around $6,000.00. Several designs, beautifully illustrated in colors, with interior views.

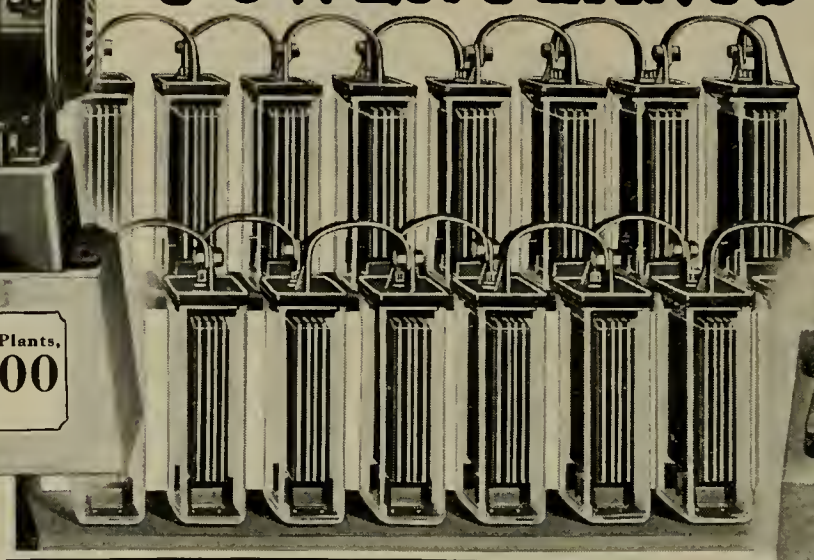
Our customers claim we saved them from $500.00 to $1,000.00 on a single house. We manufacture the materials ourselves and ship direct from our own mills and warehouses.

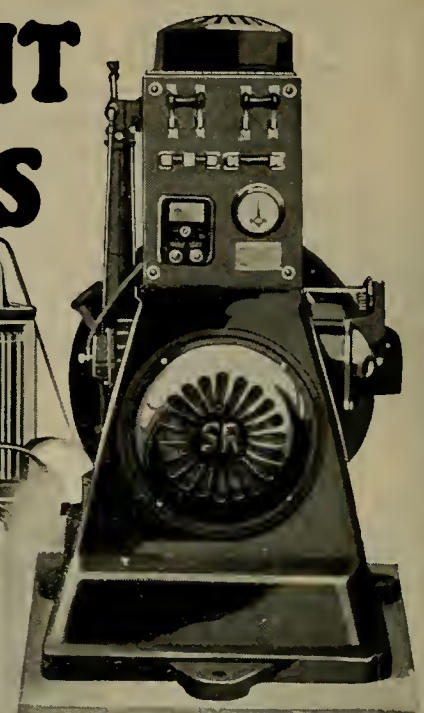
Ask for Book 596MP.

ELECTRIC LIGHT AND POWER PLANTS



U-Series Unit Plants,
$295.00
and Up





L-Series Unit Plants,
Equipped With Power Pulley,
$460.00
and Up

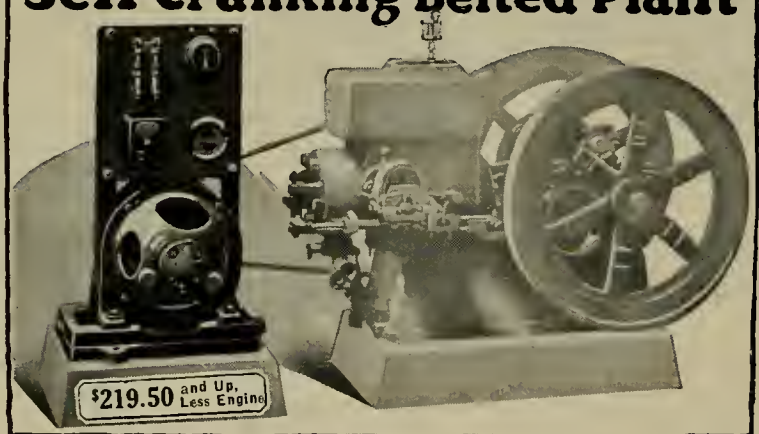
Electric Plant

At your service for power by day, doing many arduous chores. By night, its flood of pure white light dispels the gloom of dimly lighted rooms. Makes your house a more desirable home.

Built for Service—

Satisfaction Guaranteed.

Self Cranking Belted Plant



$219.50 and Up, Less Engine

Send for This Catalog.

Write for Catalog 775MP.

Mazda Tungsten Lamps for Private Lighting Plants.

LOW VOLTAGE, drawn wire filament lamps, high quality. These are the well known Mazda lamps and are furnished either clear or with lower half of bulb frosted. Do not order these lamps for city current, they are for farm lighting plants only using 16-cell batteries. Shipping weight, package of five, about 2½ pounds.

Prices for Clear Glass Lamps.

Catalog No.	Candle Power	Watts	Voltage	Price, Each
57H2805	3	5	28-32	40c
57H2810	8	10	28-32	40c
57H2820	17	20	28-32	40c
57H2840	40	40	28-32	40c

If frosted lamps are wanted, so state in your order and add 5 cents to price of each lamp above.

Renewal Batteries for Any Plant.
Batteries Guaranteed for a Definite Number of Years
Liberal Allowance for Your Old Battery

Give full information asked on form below and mail to us at Chicago, Ill.

Sears, Roebuck and Co., Chicago, Ill. Date_____192__

I am interested in a new battery for my Electric Plant and ask that you give me a quotation on a new battery and tell me what allowance, if any, you can make on my old battery, described below:

My battery is made up of_____cells. It is a SEALED Glass Jar Type ☐. OPEN Glass Jar Type ☐. SEALED Rubber Jar Type ☐. It is rated as _____ampere hour capacity. The plates, as near as I can measure, are _____inches wide and_____inches long. There are_____plates in each jar. The jars are_____inches high,_____inches wide,_____ inches thick. The battery has been in service about_____years,_____ months.

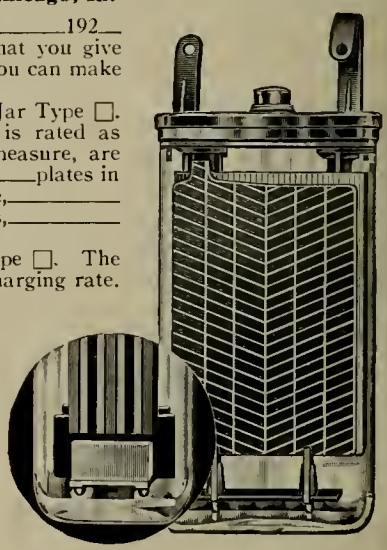
The plant is a unit or direct connected type ☐, or it is a belted type ☐. The generator has a capacity of_____amperes,_____volts,_____watts. I (can or cannot) control the charging rate. I can reduce the charging rate to_____amperes, and have been charging my present battery at_____ amperes. I have been charging my battery about_____hours each week. I charge the battery as follows: Daily ☐. Twice per week ☐. Once per week ☐. I am interested in a battery of (the same or larger) capacity.

It is my understanding that in giving this information and asking for a quotation I am not under any obligation to buy your battery. Yours truly,

Name_____Postoffice_____

R. F. D. No._____Box No._____

County_____State_____



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